

SEARCH REQUEST FORM

Scientific and Technical Information Center

(130)

Requester's Full Name: TO, BAO QUOC Examiner #: 78889 Date: 11/29/03
 Art Unit: 2172 Phone Number 305-1949 Serial Number: 09/488138
 Mail Box and Bldg/Room Location: 4A42 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: User Interface for Automated Project Management
 Inventors (please provide full names): Todd A. Mitchell

Earliest Priority Filing Date: 01/20/2000

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

please concentrated on these terms and concepts:
 tasks for group of users.
 selecting tasks for multiples of group and those
 tasks are different or distinct from each other;
 on the other works different task for a lot of
 users

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>David Holloway</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: <u>301-7794</u>	AA Sequence (#) _____	Dialog _____
Searcher Location: <u>CR2 4830</u>	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: <u>12-2-03</u>	Bibliographic <input checked="" type="checkbox"/>	Dr.Link _____
Date Completed: <u>12-2-03</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: <u>60</u>	Fulltext <input checked="" type="checkbox"/>	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>237</u>	Other _____	Other (specify) _____



STIC Search Report

EIC 2100

STIC Database Tracking Number: 109266

TO: Baoquoc To
Location:
Art Unit : 2172
Tuesday, December 02, 2003

Case Serial Number: 09/488738

From: David Holloway
Location: EIC 2100
PK2-4B30
Phone: 308-7794

david.holloway@uspto.gov

Search Notes

Dear Examiner To,

Attached please find your search results for above-referenced case.
Please contact me if you have any questions or would like a re-focused search.

David

Set	Items	Description
S1	23964	(PROJECT? OR JOB OR TASK? ? OR CONSTRUCTION? OR WORK?) (2N-) (MANAG? OR ADMINIST? OR PLAN? OR FORECAST?)
S2	9293	S1 AND (SOFTWARE? OR SYSTEM? OR COMPUTERI? OR APPLICATION? OR PROGRAM?)
S3	28512	(MULTIPL? OR SEVERAL? OR VARIOUS OR VARIET? OR MANY OR DIF- FERENT? OR PLURAL? OR DISTINCT) (2N) (TEAM? OR GROUP? OR WORKGR- OUP? OR SQUAD? OR CLUSTER? OR CREW?)
S4	94252	(MULTIPL? OR SEVERAL? OR VARIOUS OR VARIET? OR MANY OR DIF- FERENT? OR PLURAL? OR DISTINCT) (2N) (TASK? ? OR OBJECTIVE? OR - SYSTEM? OR JOB? ? OR WORK OR SKILL?)
S5	1276447	INTERFACE? OR GUI? OR THREAD?
S6	17	S2 AND S3 AND S4
S7	1	S1 AND S3 AND S4 AND S5
S8	65	S2 AND (S3 OR S4) AND S5
S9	81	S6 OR S7 OR S8
S10	30	S9 AND IC=(G06F-017? OR G06F-007?)
S11	15	(S6 OR S7) AND IC=G06F?
S12	39	S10 OR S11
S13	39	IDPAT (sorted in duplicate/non-duplicate order)
S14	38	IDPAT (primary/non-duplicate records only)

File 347:JAPIO Oct 1976-2003/Jul(Updated 031105)
(c) 2003 JPO & JAPIO

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200376
(c) 2003 Thomson Derwent

14/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

015741146 **Image available**
WPI Acc No: 2003-803347/200375
XRPX Acc No: N03-643996

Document publishing project managing method in investigational drug documentation, involves assigning portion of issue processing workflow to worker resource, and generating report with issue processing workflow information

Patent Assignee: GALLION K P (GALL-I); LEWIS R M (LEWI-I); PALMER D G (PALM-I)

Inventor: GALLION K P; LEWIS R M; PALMER D G
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030191681	A1	20031009	US 2003430091	A	20030506	200375 B

Priority Applications (No Type Date): US 2003430091 A 20030506

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20030191681	A1	30	G06F-017/60	

Abstract (Basic): US 20030191681 A1

NOVELTY - Several workflows comprising one or more tasks are identified, based on received document publishing project information. **Several tasks** are assigned to several worker resources, and an indication of processing issue is automatically received. A portion of issue processing workflow identified based on processing issue, is assigned to one of worker resources, and a report with issue processing resolution information is generated.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for graphical user **interface**.

USE - For **managing** document publishing **projects** used in production of new drug/biological product marketing authorization **applications** such as investigational new drug documentation (IND) and new drug **applications** (NDA).

ADVANTAGE - Document publishing **projects** are **managed** efficiently in short time.

DESCRIPTION OF DRAWING(S) - The figure shows the explanatory diagram of generated reports.

pp; 30 DwgNo 11A/16

Title Terms: DOCUMENT; PUBLICATION; PROJECT; MANAGE; METHOD; DRUG; DOCUMENT
; ASSIGN; PORTION; ISSUE; PROCESS; WORK; RESOURCE; GENERATE; REPORT;
ISSUE; PROCESS; INFORMATION

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

14/5/5 (Item 5 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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015015572 **Image available**
WPI Acc No: 2003-076089/200307
XRPX Acc No: N03-058942

Assigning method for identifier to at least one of several displayable task schedules associated with different entities for project management systems applying received decision information to assign task representative identifier

Patent Assignee: SIEMENS MEDICAL SOLUTIONS HEALTH SERVICE (SIEI); SIEMENS MEDICAL SOLUTIONS USA INC (SIEI)

Inventor: MARANO H T

Number of Countries: 022 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 2002101623	A2	20021219	WO 2002US15484	A	20020515	200307 B
US 20030061090	A1	20030327	US 2001297958	P	20010613	200325
			US 20027370	A	20020219	

Priority Applications (No Type Date): US 20027370 A 20020219; US 2001297958 P 20010613

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 2002101623	A2	E	24	G06F-017/60	
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Designated States (National): CA JP

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

US 20030061090	A1		G06F-017/60	Provisional application US 2001297958
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Abstract (Basic): WO 2002101623 A2

NOVELTY - The method involves initiating display of at least one **interface** menu supporting user entry of decision information for assigning a task representative identifier to a task schedule associated with a particular entity. Decision information entered via at least one **interface** menu is received. The received decision information is applied in assigning the task representative identifier to the task schedule associated with the particular entity in response to a predetermined event.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) a method for providing a user **interface** for assigning an identifier to at least one of **several** displayable **task** schedules.

USE - For **project management systems**.

ADVANTAGE - Allows one or more worklists to be provided to each user when he logs in to a scheduling or workflow **system** where the schedule may be tailored to a user, a group or category of users or an entire entity.

DESCRIPTION OF DRAWING(S) - The figure shows a work list creation.
pp; 24 DwgNo 6/7

Title Terms: ASSIGN; METHOD; IDENTIFY; ONE; DISPLAY; TASK; SCHEDULE;

ASSOCIATE; ENTITY; PROJECT; MANAGEMENT; **SYSTEM**; APPLY; RECEIVE; DECIDE; INFORMATION; ASSIGN; TASK; REPRESENT; IDENTIFY

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

14/5/6 (Item 6 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

015006315 **Image available**
WPI Acc No: 2003-066832/200306
XRPX Acc No: N03-051833

Document scheduling and integration method for construction management system , involves integrating scheduled tasks and documents associated with tasks

Patent Assignee: ATUB INC (ATUB-N)
Inventor: KROEGER D E
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020124028	A1	20020905	US 2000746194	A	20001223	200306 B

Priority Applications (No Type Date): US 2000746194 A 20001223

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20020124028	A1	30	G06F-017/60	

Abstract (Basic): US 20020124028 A1

NOVELTY - **Several tasks** are scheduled by a **project manager** and several documents associated with the **tasks** are **managed** by a document manager. The documents are then integrated with the tasks, by a communication manager.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) Computer **program** product for document scheduling and integration; and

(2) Document scheduling and integration **system** .

USE - For **construction management system** , for public construction such as highway, street, military facility, server **system** , water supply facility and other private and residential constructions such as office, hotel, motel, commercial, non-residential, religious, educational, hospital, institutional, telecommunication, railroad, electric light and power, gas and petroleum pipelines.

ADVANTAGE - Since scheduling and document management are integrated, the users of pending needs are alerted before they become critical.

DESCRIPTION OF DRAWING(S) - The figure shows a graphical user **interface** used in association with communication manager.

pp; 30 DwgNo 7/13

Title Terms: DOCUMENT; SCHEDULE; INTEGRATE; METHOD; CONSTRUCTION; MANAGEMENT; **SYSTEM** ; INTEGRATE; SCHEDULE; TASK; DOCUMENT; ASSOCIATE; TASK

Derwent Class: T01

International Patent Class (Main): **G06F-017/60**

File Segment: EPI

14/5/10 (Item 10 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

014613588 **Image available**
WPI Acc No: 2002-434292/200246
Related WPI Acc No: 2002-434298
XRPX Acc No: N02-341804

Work flow management system for financial institution, has
**graphical interface for arranging objects sequentially to specific
order, in which multiple differential task is performed**

Patent Assignee: AHLES J (AHLE-I); DHAR A (DHAR-I); DHAR K K (DHAR-I)

Inventor: AHLES J; DHAR A; DHAR K K

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020040312	A1	20020404	US 2000237164	P	20001002	200246 B
			US 2001970312	A	20011002	

Priority Applications (No Type Date): US 2000237164 P 20001002; US
2001970312 A 20011002

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020040312	A1		24	G06F-017/60	Provisional application US 2000237164

Abstract (Basic): US 20020040312 A1

NOVELTY - A compiled **program** kernel contains **multiple
differential tasks** which are defined as separate functions. A
graphical interface has a list of geometric shapes and a workspace,
for arranging objects sequentially in specific order, in which the
multiple differential tasks are performed by using the compiled
program. A database stores the arrangement of objects as a checklist.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the
following:

(1) Process-based decision **programmatically** rendering **system** ;
and

(2) Work flow processing and **programmatic** decision making method.

USE - For **management** of **work** flow in financial institution.

ADVANTAGE - Permits access by wireless technologies. The work load
to bank officers is reduced by the checklist. In addition to loans,
credit cards, credit lines and various financial instruments are
processed by the work flow engine using the checklist, thus speed of
the delivery process is improved. Improves data consistency,
consolidates processes, increases productivity and reduces time to
process a loan or provide deposit services.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic flow
diagram explaining the automated loan process of **work** flow
management system.

pp; 24 DwgNo 3/9

Title Terms: WORK; FLOW; MANAGEMENT; **SYSTEM** ; FINANCIAL; INSTITUTION;
GRAPHICAL; **INTERFACE** ; ARRANGE; OBJECT; SEQUENCE; SPECIFIC; ORDER;
MULTIPLE; DIFFERENTIAL; TASK; PERFORMANCE

Derwent Class: T01; T05; W01

International Patent Class (Main): G06F-017/60

File Segment: EPI

14/5/12 (Item 12 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

014531654 **Image available**
WPI Acc No: 2002-352357/200238
XRPX Acc No: N02-276834

System for providing workflow monitoring for assigning project to
resources such as document creators, translators, editors, legal counsel
etc; divides project into sub-projects and that assigns resources to them
Patent Assignee: TRADOS CORP (TRAD-N); JOCHEN H (JOCH-I); KNYPHAUSEN I
(KNYP-I)

Inventor: JOCHEN H; KNYPHAUSEN I; HUMMEL J
Number of Countries: 097 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200231736	A2	20020418	WO 2001US31884	A	20011012	200238 B
AU 200196823	A	20020422	AU 200196823	A	20011012	200254
US 20020111787	A1	20020815	US 2000239929	A	20001013	200256
			US 2001975084	A	20011012	

Priority Applications (No Type Date): US 2000239929 P 20001013; US
2001975084 A 20011012

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200231736 A2 E 77 G06F-017/60

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200196823 A G06F-017/60 Based on patent WO 200231736

US 20020111787 A1 G06F-017/28 Provisional application US 2000239929

Abstract (Basic): WO 200231736 A2

NOVELTY - A **program manager** divides a **project** into
sub-projects and assigns resources to the sub- **projects** . The **program
manager** provides predefined templates by which to model the project.

DETAILED DESCRIPTION - First, the **program manager** navigates the
system to a projects page (102) where the user selects a new project.
If the **project manager** made a mistake or wishes to perform another
action, the **project manager** may cancel and return his focus to the
projects page (102). Once on create projects page (103), the **program
manager** uploads reference files (104) (or may upload them later in step
(109), which may be done through selecting an upload later option in a
user **interface**).

INDEPENDENT CLAIMS are included for:

(a) a process for assigning resources to translation project

(b) a user **interface** for **project manager**

USE - In a client-based workflow **system** for assigning and
monitoring **various tasks** .

ADVANTAGE - Provides the advantages of translation memories and
protects the confidences of the clients, mirrors the different projects
undertaken by each unique client for both translation-based and
non-translation based workflow models and may accommodate various
processes of each client.

DESCRIPTION OF DRAWING(S) - The drawing shows a process of an
embodiment of the present invention.

pp; 77 DwgNo 1a/39

Title Terms: **SYSTEM** ; MONITOR; ASSIGN; PROJECT; RESOURCE; DOCUMENT;
TRANSLATION; LEGAL; DIVIDE; PROJECT; SUB; PROJECT; ASSIGN; RESOURCE

Derwent Class: T01

International Patent Class (Main): G06F-017/28 ; G06F-017/60

File Segment: EPI

14/5/13 (Item 13 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014384728 **Image available**
WPI Acc No: 2002-205431/200226
XRPX Acc No: N02-156409

Distributed administration method of virtual desktop system architecture, involves distributing multiple administrative tasks among educators, by assigning equal task groups to each educator

Patent Assignee: GREENBERG J F (GREE-I); LEE G F (LEEG-I); LOPATA D C (LOPA-I); SUN MICROSYSTEMS INC (SUNM)

Inventor: GREENBERG J F; LEE G F; LOPATA D C

Number of Countries: 097 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020019860	A1	20020214	US 2000222408	A	20000802	200226 B
			US 2001813487	A	20010321	
WO 200277811	A2	20021003	WO 2002US8514	A	20020319	200266

Priority Applications (No Type Date): US 2000222408 P 20000802; US 2001813487 A 20010321

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20020019860	A1	18	G06F-015/177	Provisional application US 2000222408

WO 200277811 A2 E G06F-009/46

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

Abstract (Basic): US 20020019860 A1

NOVELTY - **Multiple administrative tasks** such as user account creation, **work group administration** are distributed among the educators by dividing the **tasks** into **several task groups** and by assigning each educator with roughly equal number of work groups.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Thin client architecture administration **system** ;

(b) Computer **program** product storing **program** codes for executing distributed administration of thin client architecture

USE - For distributed **administration** of **tasks** such as creating user accounts, removing user accounts, creating work groups, modifying privileges associated with work groups and removing work groups, in thin client architecture such as virtual desktop **system** architecture.

ADVANTAGE - Creation of multiple user accounts is accomplished by assigning each educator a roughly equal number of user accounts to create.

DESCRIPTION OF DRAWING(S) - The figure shows the flow diagram explaining the **administrative task** execution process.

pp; 18 DwgNo 2/10

Title Terms: DISTRIBUTE; ADMINISTER; METHOD; VIRTUAL; **SYSTEM** ; ARCHITECTURE; DISTRIBUTE; MULTIPLE; ADMINISTER; TASK; ASSIGN; EQUAL; TASK ; GROUP; EDUCATION

Derwent Class: T01

International Patent Class (Main): G06F-009/46 ; G06F-015/177

File Segment: EPI

14/5/14 (Item 14 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014196821 **Image available**
WPI Acc No: 2002-017518/200202
XRPX Acc No: N02-014006

Workflow management system for handling several complex multiple
step projects permits unification of manual operations and operations
performed by legacy software

Patent Assignee: CHASE MANHATTAN BANK (CHAS-N)
Inventor: MACKAY T; MCCARTHY E; RESCHKE E
Number of Countries: 093 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200177955	A1	20011018	WO 2001US11140	A	20010406	200202 B
AU 200151355	A	20011023	AU 200151355	A	20010406	200213

Priority Applications (No Type Date): US 2000712521 A 20001114; US
2000196003 P 20000407; US 2000631810 A 20000803

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200177955 A1 E 113 G06F-017/60

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200151355 A G06F-017/60 Based on patent WO 200177955

Abstract (Basic): WO 200177955 A1

NOVELTY - The **system** includes an electronic **workflow management** database which stores project setup information. A data processing **software** module receives and processes raw data required to execute the project from at least one outside source. An **interface** receives the processed raw data from the data processing module and transmits it electronically to a **workflow management software** module. A computer displays workflow status information concerning the projects and prompts a user as to work to be done.

The **system** further includes a second data processing **software** module which receives the processed raw data and responds to commands from the **workflow management software** module to perform computations using the processed raw data. There is a second **interface**. A third data processing **software** module receives data through the second **interface** and responds to commands from the **workflow management software** module to process the received data.

USE - For **computerized workflow management** and operational support for person engaged in complex business or other processes. E.g. for use by trustees.

ADVANTAGE - Permits convenient and reliable performance of all tasks required with updates to accommodate evolutionary changes in underlying financial structures

DESCRIPTION OF DRAWING(S) - The figure shows the architecture of the **workflow management system**.

pp; 113 DwgNo 4/18

Title Terms: MANAGEMENT; **SYSTEM**; HANDLE; COMPLEX; MULTIPLE; STEP; PROJECT
; PERMIT; UNIFIED; MANUAL; OPERATE; OPERATE; PERFORMANCE; **SOFTWARE**

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

14/5/17 (Item 17 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014085919 **Image available**
WPI Acc No: 2001-570133/200164
Related WPI Acc No: 2003-597553
XRPX Acc No: N01-424880

Workflow management method for automated credit application system
, involves calculating status of workflow process steps potentially
affected by executed function for determining subsequent process steps

Patent Assignee: DEFRANCESCO J R (DEFR-I); FINGERHUTH A (FING-I); FREIMAN S
(FREI-I); RUSK G (RUSK-I); TERPENING S (TERP-I); FIRST AMERICAN CREDIT
MANAGEMENT SOLUTIO (FIRS-N)

Inventor: DEFRANCESCO J R; FINGERHUTH A; FREIMAN S; RUSK G; TERPENING S

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010014877	A1	20010816	US 9897148	A	19980612	200164 B
US 6505176	B2	20030107	US 9897148	A	19980612	200306

Priority Applications (No Type Date): US 9897148 A 19980612

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 20010014877	A1		22	G06F-017/60	
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US 6505176	B2			G06F-017/00	
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Abstract (Basic): US 20010014877 A1

NOVELTY - Rule elements corresponding to the tests associated with the workflow process steps, are linked to some database elements. The database elements are altered by functions executed by user. Process steps potentially affected by executed function, are detected and their status is determined for finding the subsequent process steps.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Workflow management system ;

(b) Computer program product

USE - For automated credit application system .

ADVANTAGE - Workflow management method controls and manages process steps worked by various workgroups simultaneously. Workflow configuration tool is used at run-time to define customized workflow requirement which eliminates the need to change source code for various client systems . Process steps are performed again based on updated information, thus ensuring the consistency of workflow throughout application 's lifecycle.

DESCRIPTION OF DRAWING(S) - The figure shows the functional overview of the workflow management system .

pp; 22 DwgNo 3/10

Title Terms: MANAGEMENT; METHOD; AUTOMATIC; CREDIT; APPLY; SYSTEM ;

CALCULATE; STATUS; PROCESS; STEP; POTENTIALLY; AFFECT; EXECUTE; FUNCTION;

DETERMINE; SUBSEQUENT; PROCESS; STEP

Derwent Class: T01

International Patent Class (Main): G06F-017/00 ; G06F-017/60

File Segment: EPI

14/5/20 (Item 20 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

012511763 **Image available**

WPI Acc No: 1999-317869/199927

XRPX Acc No: N99-238091

Job management system in computers - has update unit to exchange
job information among several management tables of management table
group based on indication from control unit

Patent Assignee: NEC CORP (NIDE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11110234	A	19990423	JP 97275823	A	19971008	199927 B

Priority Applications (No Type Date): JP 97275823 A 19971008

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11110234	A	7	G06F-009/46	

Abstract (Basic): JP 11110234 A

NOVELTY - A detection unit (17) detects update of information on
condition of a job (16) in a management table **group** which has
several management tables corresponding to the job condition. A
control **program** controls each unit based on which an updating unit
exchanges information between management tables.

USE - In computers.

ADVANTAGE - Improves efficiency of **job management** by easily
eliminating and amending job conditions. DESCRIPTION OF DRAWING(S) -
The figure shows block diagram of **job management system** . (16)
Job ; (17) Detection unit .

Dwg.1/4

Title Terms: JOB; MANAGEMENT; **SYSTEM** ; COMPUTER; UPDATE; UNIT; EXCHANGE;
JOB; INFORMATION; MANAGEMENT; TABLE; MANAGEMENT; TABLE; GROUP; BASED;
INDICATE; CONTROL; UNIT

Derwent Class: T01

International Patent Class (Main): **G06F-009/46**

File Segment: EPI

14/5/23 (Item 23 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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010384889 **Image available**
WPI Acc No: 1995-286203/199538

Work management control system - receives work processing demand event, notifies generated object to work processing group, and controls execution and processing result using controller

Patent Assignee: NIPPON TELEGRAPH & TELEPHONE CORP (NITE)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7182412	A	19950721	JP 93327826	A	19931224	199538 B
JP 3245784	B2	20020115	JP 93327826	A	19931224	200206

Priority Applications (No Type Date): JP 93327826 A 19931224

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 7182412	A		10	G06F-017/60	
JP 3245784	B2		10	G06F-017/60	Previous Publ. patent JP 7182412

Abstract (Basic): JP 7182412 A

The **system** consists of a demand event receptionist part (10) which receives a work processing demand. A receptionist judges the contents of the event and records in a recording device (11). An object forming unit generates an object which performs work processing, based on the recorded event information.

A notice part (22) notifies the generated object to the person in charge or a **system** resource. A **work** flow **management** unit (30) distributes the **work** processing to **different** execution modules. A work processing is performed from the static and dynamic information such as correspondence relation of groups, work processing demand, person in charge or **system** resource. A work flow controller (20) controls the processing.

ADVANTAGE - Assigns work and notifies **work** request to **different groups** , automatically. Performs work processing of each individual in group independently.

Dwg.1/9

Title Terms: WORK; MANAGEMENT; CONTROL; **SYSTEM** ; RECEIVE; WORK; PROCESS; DEMAND; EVENT; NOTIFICATION; GENERATE; OBJECT; WORK; PROCESS; GROUP; CONTROL; EXECUTE; PROCESS; RESULT; CONTROL

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

14/5/25 (Item 25 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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010169996 **Image available**
WPI Acc No: 1995-071249/199510
XRPX Acc No: N95-056047

**On-line process management system for semiconductor device mfg.
facility - incorporates on-line indication of status of work orders for
various units which communicates through LAN**

Patent Assignee: HITACHI HOKKAI SEMICONDUCTOR (HITW); HITACHI LTD (HITA
)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 6348310	A	19941222	JP 93137230	A	19930608	199510 B
JP 3283633	B2	20020520	JP 93137230	A	19930608	200236

Priority Applications (No Type Date): JP 93137230 A 19930608

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 6348310	A		13	G05B-015/02	
JP 3283633	B2		12	G05B-015/02	Previous Publ. patent JP 6348310

Abstract (Basic): JP 6348310 A

The online process management **system** (1) has a series of data base and associated controllers **interfaced** through a LAN (6). A CPU (13) is connected to the LAN through a communication unit (12). The operator communicates to the **system** through a keyboard (11) and a CRT (10). The **system** also has **work plan** input unit (17) and work status indication unit (16). The processed results from the CPU are stored in the output files (18,19).

USE/ADVANTAGE - For use in managing production process in processing units. Facilitates automatic process management. Increases efficiency of production. Facilitates planned maintenance of production units.

Dwg.1/1

Title Terms: LINE; PROCESS; MANAGEMENT; **SYSTEM** ; SEMICONDUCTOR; DEVICE; MANUFACTURE; FACILITY; INCORPORATE; LINE; INDICATE; STATUS; WORK; ORDER; VARIOUS; UNIT; COMMUNICATE; THROUGH; LAN

Derwent Class: P56; T01; T06

International Patent Class (Main): G05B-015/02

International Patent Class (Additional): B23Q-041/08; G06F-015/21;

G06F-017/60 ; H01L-021/02

File Segment: EPI; EngPI

14/5/27 (Item 27 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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001483488

WPI Acc No: 1976-E6398X/197620

Performance driven workload manager - exchanges swapped-in and swapped-out users if latter has greater normalized level

Patent Assignee: IBM CORP (IBMC)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 946001	H	19760504				197620 B

Priority Applications (No Type Date): US 75554865 A 19750303; US 73417847 A 19731121

Abstract (Basic): US 946001 H

A process for **managing** the **workload** in the environment of a terminal oriented data processing **system** of the type having a virtual memory **system** and the capabilities of swapping jobs in and out of real storage and of over-initiating jobs to saturate the **system**. An insulation performance specification defines in the **system** different performance **objectives** which **different groups** of users or jobs are to be managed to. Key parameters associated with the use of **system** resources are monitored. On a periodic basis, the **workload managing** process is performed which determines the current service rates of swapped-in users from the monitored data, the anticipated service rates of swapped-out users, and the normalized levels of all users. Two users, one swapped-in and the other swapped-out, are swapped or exchanged if the normalized level of the swapped-out user is greater than that of a swapped-in user.

Title Terms: PERFORMANCE; DRIVE; MANAGE; EXCHANGE; USER; LATTER; GREATER; LEVEL

Derwent Class: T01

International Patent Class (Additional): G06F-009/19

File Segment: EPI

14/5/34 (Item 34 from file: 347)
DIALOG(R)File 347:JAPIO
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06673904 **Image available**
WORK MANAGING SYSTEM

PUB. NO.: 2000-259730 [JP 2000259730 A]
PUBLISHED: September 22, 2000 (20000922)
INVENTOR(s): MASUDA YOSHIHIRO
APPLICANT(s): FUJI XEROX CO LTD
APPL. NO.: 11-064234 [JP 9964234]
FILED: March 11, 1999 (19990311)
INTL CLASS: **G06F-017/60** ; G06F-013/00

ABSTRACT

PROBLEM TO BE SOLVED: To provide a **work managing system** capable of independently **managing** a shared **work** item and an individual work item and integrally operating them through a user **interface** on the other hand.

SOLUTION: Servers 10a, 10b are connected with clients 12a, 12b through a network 16. The server 10 is provided with a shared work item storing part 24 for storing the shared **work** items of **plural** users and the client 12 is provided with an individual work item storing part 34 for storing the individual work item of each user generated in connection with the shared work items. A work item list operation **interface** 30 operates in the Web browser 28 of the client 12 to integrally display one of the shared work items stored in the part 24 and the individual work item of some user, which is generated in connection with the shared work item and stored in the part 34, on a display of the client 12.

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14/5/35 (Item 35 from file: 347)
DIALOG(R)File 347:JAPIO
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05608233 **Image available**
INTEGRATED **WORK FLOW MANAGEMENT METHOD AND SYSTEM** THEREFOR

PUB. NO.: 09-223033 [JP 9223033 A]
PUBLISHED: August 26, 1997 (19970826)
INVENTOR(s): ASANO ICHIGAKU
MUKOUGAITO TAKEYA
MORITA MASAHIRO
HAYAMIZU HARUO
OBAYASHI KEIJI
APPLICANT(s): NIPPON TELEGR & TELEPH CORP <NTT> [000422] (A Japanese
Company or Corporation), JP (Japan)
APPL. NO.: 08-029480 [JP 9629480]
FILED: February 16, 1996 (19960216)
INTL CLASS: [6] **G06F-009/46 ; G06F-013/00**
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units);
45.2 (INFORMATION PROCESSING -- Memory Units)

ABSTRACT

PROBLEM TO BE SOLVED: To simultaneously carry out plural requests by multiplexing a certain activity group when these requests are of the same kind and to extremely shorten the processing time by operating **plural activity groups** in **multiple** based on the requests to simultaneously carry out plural processing of the same kind if a certain work flow receives the requests of the same kind from one or more of other work flows.

SOLUTION: A work flow 10 has a multiple request reception means 11 which can simultaneously receive plural processing requests from other **plural work flow management systems**, and a **multiple** execution means 12 which carries out in multiple plural processing of the same kind in some activity groups when the means 11 receives the requests of the same kind from other **plural work flows**. The means 11 also can receive the requests from other work flows only in a prescribed period and in the activities which operate in multiple based on the requests. In such a constitution, plural processing of the same kind can be carried out at a time.

14/5/38 (Item 38 from file: 347)
DIALOG(R)File 347:JAPIO
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04700439 **Image available**
DEVICE AND METHOD FOR **MANAGING** **JOB**

PUB. NO.: 07-021039 [JP 7021039 A]
PUBLISHED: January 24, 1995 (19950124)
INVENTOR(s): YAMADA KAZUO
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 05-163376 [JP 93163376]
FILED: July 01, 1993 (19930701)
INTL CLASS: [6] G06F-009/46; **G06F-017/50**
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units);
45.4 (INFORMATION PROCESSING -- Computer **Applications**)

ABSTRACT

PURPOSE: To **systematically** manage **plural** **jobs** executed for every designe unit such as a macroblock or chip at an engineering work station(EWS).

CONSTITUTION: This device is provided with a graphical user **interface** (**GUI**) 101 consisting of a design directory setting part 101a for setting the designe unit, a job execution instruction part 101b for starting the job and a job condition display/operation part 101c for monitoring the **job** , a **job** **managing** part 103 for supervising the job, and a **job** **managing** database(DB) part 103 for registering the relation of the job and the designe unit. Thus, the **plural** **jobs** executed for every designing unit such as the macroblock and chip can be **systematically** managed.

Set	Items	Description
S1	19526	(PROJECT? OR JOB OR TASK? ? OR CONSTRUCTION? OR WORK?) (2N-) (MANAG? OR ADMINIST? OR PLAN? OR FORECAST?)
S2	18830	S1 AND (SOFTWARE? OR SYSTEM OR SYSTEMS OR COMPUTERI? OR AP- PLICATION? OR PROGRAM OR PROGRAMS)
S3	77830	(MULTIPLE? OR MULTIPLICITY OR SEVERAL? OR VARIOUS OR VARIE- T? OR MANY OR DIFFERENT? OR PLURAL? OR DISTINCT) (2N) (TEAM? OR GROUP? OR WORKGROUP? OR SQUAD? OR CLUSTER? OR CREW?)
S4	126575	(MULTIPLE? OR MULTIPLICITY OR SEVERAL? OR VARIOUS OR VARIE- T? OR MANY OR DIFFERENT? OR PLURAL? OR DISTINCT) (2N) (TASK? ? - OR OBJECTIVE? OR SYSTEM? OR JOB? ? OR WORK OR WORKFLOW? OR WO- RKLOAD? OR SKILL?)
S5	614192	INTERFACE? OR GUI? OR THREAD?
S6	207	S2 (20N) S3 (20N) S4
S7	10	S1 (15N) S3 (15N) S4 (15N) S5
S8	38	S6(15N)S5
S9	38	S7 OR S8
S10	11	S9 AND IC=(G06F-007? OR G06F-017?)
S11	63	S6 AND IC=(G06F-007? OR G06F-017?)
S12	5	S11 NOT AD>20000120
S13	15	S10 OR S12
S14	15	IDPAT (sorted in duplicate/non-duplicate order)
S15	15	IDPAT (primary/non-duplicate records only)

File 348:EUROPEAN PATENTS 1978-2003/Nov W04
(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20031127,UT=20031120
(c) 2003 WIPO/Univentio

15/5,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00758423

Window management system
Fensterverwaltungssystem
Systeme de gestion de fenetres

PATENT ASSIGNEE:

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LEGAL REPRESENTATIVE:

Beresford, Keith Denis Lewis et al (28273), BERESFORD & Co. 2-5 Warwick
Court High Holborn, London WC1R 5DJ, (GB)

PATENT (CC, No, Kind, Date): EP 713175 A2 960522 (Basic)
EP 713175 A3 970730

APPLICATION (CC, No, Date): EP 95308147 951114;

PRIORITY (CC, No, Date): JP 94305562 941115; JP 94315666 941125; JP
94317553 941128; JP 94338157 941227

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-009/44; G06F-003/00; G06F-003/033;
G06F-017/60

ABSTRACT EP 713175 A2

There is disclosed a window management system allowing to collectively
control plural application programs by a common user interface,
regardless whether each program is so constructed as to respond to the
message from the user interface. The system is provided with an
acquisition unit for acquiring display information of the program, a
collective operation instruction unit for instructing a collective
operation to the program, a transmission unit for transmitting the
instructed operation to the program and a display control unit for
displaying the status of the instructed operation in a specified display
area. (see image in original document)

ABSTRACT WORD COUNT: 117

LEGAL STATUS (Type, Pub Date, Kind, Text):

Examination: 20000223 A2 Date of dispatch of the first examination
report: 20000111

Application: 960522 A2 Published application (Alwith Search Report
;A2without Search Report)

Change: 970212 A2 Obligatory supplementary classification
(change)

Change: 970625 A2 Obligatory supplementary classification
(change)

Search Report: 970730 A3 Separate publication of the European or
International search report

Examination: 980204 A2 Date of filing of request for examination:
971210

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	1957
SPEC A	(English)	EPAB96	19386
Total word count - document A			21343
Total word count - document B			0
Total word count - documents A + B			21343

...INTERNATIONAL PATENT CLASS: G06F-017/60

...SPECIFICATION which a document preparing editor, a graphic editor for graphics preparation and a voice input **software** for voice mail, which are separately prepared, can be utilized in collective manner.

On the other hand, there is being developed a groupware, which is a **software** intended for supporting a **group work** of **plural** persons, instead of supporting the personal use of the computer. A typical example is the video conference **system** utilizing desk-top computers, in which utilized is a paint **software** that can be viewed and written in by all the participants, corresponding to a whiteboard...

15/5,K/6 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00807445 **Image available**

DYNAMIC AIRCRAFT MAINTENANCE MANAGEMENT SYSTEM
SYSTEME DE GESTION DYNAMIQUE DE MAINTENANCE D'AERONEF

Patent Applicant/Assignee:

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Duluth, MN 55811, US, US (Residence), US (Nationality), (For all
designated states except: US)

Patent Applicant/Inventor:

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Legal Representative:

FAIRBAIRN David R (agent), Kinney & Lange, PA, Kinney & Lange Building,
312 South 3rd Street, Minneapolis, MN 55415-1002, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200141024 A1 20010607 (WO 0141024)

Application: WO 2000US32832 20001201 (PCT/WO US0032832)

Priority Application: US 99168400 19991201

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 13909

English Abstract

The present invention is a system (10) for enabling an operator to dynamically manage maintenance of an aircraft. The system (10) includes a program manager system (22), a tracking manager system (24) and a production manager system (26). The program manager system (22) is for extracting maintenance tasks from aircraft maintenance publications (14), and for guiding the formation of maintenance tasks groups. The tracking manager system (24) is for monitoring accumulated usage data of the aircraft, and for identifying maintenance due tasks and maintenance due task groups from the respective maintenance tasks and maintenance task groups for which a difference between the control point and the accumulated usage data is less than a user-defined critical value. The production manager system (26) is for generating and implementing a dynamic maintenance flow chart which details scheduling data for each individual task of the maintenance due tasks and maintenance due task groups.

French Abstract

L'invention concerne un systeme (10) permettant a un operateur de gerer dynamiquement la maintenance d'un aeronef. Le systeme (10) inclut un systeme (22) de gestionnaire de programme, un systeme (24) de gestionnaire de suivi et un systeme (26) de gestionnaire de production. Le systeme (22) de gestionnaire de programme sert a extraire des taches de maintenance de publications (14) de maintenance d'aeronef et a guider la formation de groupes de taches de maintenance. Le systeme (24) de gestionnaire de suivi sert a surveiller des donnees d'utilisation accumulees concernant l'aeronef ; et a identifier les taches de maintenance requises et les groupes de taches de maintenance requis, parmi les taches de maintenance et les groupes de taches de maintenance respectifs, pour lesquels la difference entre un point de reference et

les donnees d'utilisation accumulees est inferieure a une valeur critique definie par l'utilisateur. Le systeme (26) de gestionnaire de production sert a produire et a mettre en oeuvre un diagramme dynamique des operations de maintenance qui fournit des donnees d'ordonnancement detaillees pour chaque tache individuelle des taches de maintenance requises et des groupes de taches de maintenance requis.

Legal Status (Type, Date, Text)

Publication 20010607 A1 With international search report.

Publication 20010607 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Examination 20010823 Request for preliminary examination prior to end of 19th month from priority date

Main International Patent Class: G06F-017/60

Fulltext Availability:

Claims

Claim

... the maintenance tasks into initial maintenance task groups having common control points; and means for **guiding** the airline operator to organize the maintenance tasks and initial maintenance task **groups** into a **plurality** of maintenance **task** groups, each of the **plurality** of maintenance **task** groups having a user-assigned control point.

3 The **system** of claim 2 wherein the at least one aircraft maintenance document comprises a Maintenance Review Board document.

4 The **system** of claim 2 and further comprising: means for alerting the airline operator of any tasks...be performed; sorting the maintenance tasks into initial maintenance task groups having common control points; **guiding** the airline operator to organize the maintenance tasks and initial maintenance task **groups** into a **plurality** of maintenance **task** groups; and **guiding** the airline operator in assigning user-specified control points for each of the **plurality** of maintenance **task** groups.

46 A **system** for managing an aircraft maintenance **program** for an aircraft operated by an operator, the **system** comprising: means for extracting maintenance tasks for the aircraft from at least one aircraft maintenance...

...the maintenance tasks into initial maintenance task groups having common control points; and means for **guiding** the airline operator to organize the maintenance tasks and initial maintenance task **groups** into a **plurality** of maintenance **task** groups, each of the **plurality** of maintenance **task** groups having a user-assigned control point.

47 A **system** for managing an aircraft maintenance **program** for a fleet of aircraft owned by an operator, the **system** comprising: SUBSTITUTE SHEET (RULE 26)

- 45

means for extracting maintenance tasks for each type of..

15/5,K/13 (Item 13 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00566643 **Image available**

CENTRALIZED SYSTEM AND METHOD FOR MANAGING ENTERPRISE OPERATIONS
SYSTEME CENTRALISE ET PROCEDE DE GESTION DU FONCTIONNEMENT D'ENTREPRISE

Patent Applicant/Assignee:

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MANOSH Jason,
BERTKEN Dennis,
ROLEN Denise,
LOVELAND Mark,
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DORNSIFE Christopher E,
ROSS Edward F,
TAN Margaret,
MANOSH Jason,
BERTKEN Dennis,
ROLEN Denise,
LOVELAND Mark,
BASA Michael,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200030000 A2 20000525 (WO 0030000)
Application: WO 99US26523 19991109 (PCT/WO US9926523)
Priority Application: US 98108261 19981112; US 98191467 19981112

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ
BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT
SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: **G06F-017/60**

Publication Language: English

Fulltext Availability:

Detailed Description
Claims

Fulltext Word Count: 38775

English Abstract

A projected management server coupled with a computer network, such as the Internet. In one embodiment a spec server is also incorporated into the project management environment for completing specs, generating requests for price quotations, purchase orders and the like. A project tree represents project management objects. Project management objects can be of any type. Object types are defined for each particular implementation of the system. Typical examples of project management object types include organizational entities, work-groups, people, projects, budgets, tasks, costs, timesheets, specs, requisitions, purchase orders, to-do lists etc. The objects are organized in a hierarchical data structure referred to as a project management tree or project tree. Each object in the project tree comprises a number of methods that describe the way the object behaves. Such methods include for example, methods that describe the way the object is added to the tree, edited, deleted from the tree, and archived. An infinite class of objects are supported so that systems can be customized for any type of environment. In a typical embodiment a key user sets-up the initial environment for the project management system including setting up the structure of the enterprise, defining users, specifying user-groups, user access rights, passwords, etc. Once the initial system is set-up, users log-in to the project management system from locations within or outside of the enterprises. The system determines the identity of the user, and

based on the identity and user access rights, presents the user with a particular view of the project management tree customized for the user. The user can then navigate through sections of the project tree for which the user is authorized. Users can interact with the project management system by performing functions on that portion of the project tree in which they are authorized to perform functions. Functions include adding, editing deleting and archiving project management objects. Users from **multiple** organizational **work - groups** participate using the project management **system** in a collaborative fashion. Specs are generated, suppliers are matched with specs, RFQs are sent to suppliers, suppliers bid on jobs, jobs are awarded by buyers and purchase orders are generated.

French Abstract

L'invention concerne un projet de gestionnaire couple a un reseau informatique, tel qu'Internet. Dans un mode de realisation, l'environnement de la gestion de projet comprend egalement un serveur spec pour completer des specifications, etablir des demandes de prix, effectuer des ordres d'achat, etc. Un projet d'arborescence represente des objets de gestion de projet, lesquels peuvent etre de toute sorte. Les types d'objets sont definis pour chaque implantation particuliere du systeme. Des entites organisationnelles, groupes de travail, individus, projets, budgets, taches, couts, feuilles de temps, specifications, requisitions, ordres d'achat, listes "a faire", etc., sont notamment des exemples caracteristiques de types d'objets de gestion de projet. Les objets sont organises en structure hierarchique de donnees, dite arborescence de gestion de projet ou arborescence de projet. Dans chaque arborescence de projet, chaque objet renferme plusieurs procedes qui decrivent le comportement dudit objet. Ces procedes comprennent, par exemple, des procedes qui decrivent comment ajouter l'objet a l'arborescence, le reviser et le supprimer de l'arborescence et l'archiver. Une classe infinie d'objets est documentee, ce qui permet de personnaliser les systemes, quel que soit le type d'environnement. Dans un mode de realisation type, l'utilisateur principal configure l'environnement initial du systeme de gestion de projet comprenant la mise en place de la structure de l'entreprise, la definition des utilisateurs, la specification des groupes d'utilisateurs, les droits d'acces des utilisateurs, les mots de passe, etc. Une fois le systeme initial configure, les utilisateurs se connectent au systeme de gestion de projet, qu'ils soient a l'interieur ou a l'exterieur de l'entreprise. Le systeme determine l'identite de l'utilisateur et, sur la base de son identite et de ses droits d'acces, lui presente une vue particuliere de l'arborescence de gestion de projet personnalisee qui lui est destinee. L'utilisateur peut alors naviguer a travers les sections de l'arborescence de projet auxquelles il a droit. Il peut interagir avec le systeme de gestion de projet en executant des fonctions sur la partie de l'arborescence de projet dans laquelle il est autorise a executer des fonctions, lesquelles sont notamment l'adjonction, la revision, la suppression et l'archivage d'objets de gestion de projet. Les utilisateurs de plusieurs groupes de travail organisationnels participent en utilisant, en collaboration, le systeme de gestion de projet. Des specifications sont creees, les fournisseurs sont compares aux dites specifications, des demandes de prix (Dprix) sont envoyees aux fournisseurs, des fournisseurs offrent des emplois, des emplois sont attribues par des acheteurs et des ordres d'achat sont creees.

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

English Abstract

...to perform functions. Functions include adding, editing deleting and archiving project management objects. Users from **multiple** organizational **work - groups** participate using the project management **system** in a collaborative fashion. Specs are generated, suppliers are matched with specs, RFQs are sent...

Detailed Description

... tree for which the user is authorized.

In addition, the user can interact with the **project management system** by performing I/O functions on that portion of the project tree in which they are authorized to perform functions.

Such functions include adding, editing deleting and archiving **project management** objects.

In this fashion, users from **multiple** organizational **work - groups** can participate using the **project management system** that can be customized for each user. For example, users in the one division may... smaller blocks 1226-1234 depicted below the project manager 1210 represent data objects comprising a **project management** tree according to a preferred embodiment of the present invention. As shown, the data objects comprising the **project management** tree represent items such as budgets 1226, plans 1228, purchase orders 1240, specs 1236, tasks 1230, bids 1232 and RFQs 1234.

Accordingly, **multiple** organizational **work - groups** 1212-1224, including groups both inside and outside of the enterprise, interact in a real-time and active fashion with the **project manager** 1210 to complete projects. In one example scenario, a group, such as the marketing group...especially true as it relates to details describing the example embodiment in terms of user **interface** controls and specific **project management** processes related to a marketing organization. It should be recalled that an advantage of the present invention is its flexibility that enables it to be customized for any type **multiple** organizational **work - groups**. Accordingly, the use of the example embodiment presented below should not be construed to limit...true as it relates to details describing the example embodiment in terms of specific user **interface** controls and specific **project management** processes, such as those related to a marketing organization. It should be recalled that an...

...the present invention is its flexibility that enables it to be customized for any type **multiple** organizational **work - groups**. Accordingly, the use of the example embodiment 0 presented below should not be construed to...

...Introduction

This feature of the present invention allows suppliers to interact with buyers using the **project management system**. In this example, the suppliers are suppliers of marketing goods or services. However, this is ...

Set	Items	Description
S1	193912	(PROJECT? OR JOB OR TASK? ? OR CONSTRUCTION? OR WORK?) (2N-) (MANAG? OR ADMINIST? OR PLAN? OR FORECAST?)
S2	105976	S1 AND (SOFTWARE? OR SYSTEM? OR COMPUTERI? OR APPLICATION? OR PROGRAM?)
S3	166335	(MULTIPL? OR SEVERAL? OR VARIOUS OR VARIET? OR MANY OR DIF- FERENT? OR PLURAL? OR DISTINCT) (2N) (TEAM? OR GROUP? OR WORKGR- OUP? OR SQUAD? OR CLUSTER? OR CREW?)
S4	507247	(MULTIPL? OR SEVERAL? OR VARIOUS OR VARIET? OR MANY OR DIF- FERENT? OR PLURAL? OR DISTINCT) (2N) (TASK? ? OR OBJECTIVE? OR - SYSTEM? OR JOB? ? OR WORK OR SKILL?)
S5	2296024	INTERFACE? OR GUI? OR THREAD?
S6	135	S2 AND S3 AND S4
S7	23	S1 AND S3 AND S4 AND S5
S8	29139	S1(3N) (SOFTWARE? OR SYSTEM? OR COMPUTERI? OR APPLICATION? - OR PROGRAM? OR CYBER?)
S9	41	S8 AND S3 AND S4
S10	57	S7 OR S9
S11	43	RD (unique items)
S12	36	S11 NOT PY>2000
S13	36	S12 NOT PD=20000120:20020120
S14	36	S13 NOT PD=20020120:20031220
File	8: Ei Compendex(R)	1970-2003/Nov W4 (c) 2003 Elsevier Eng. Info. Inc.
File	35: Dissertation Abs Online	1861-2003/Oct (c) 2003 ProQuest Info&Learning
File	65: Inside Conferences	1993-2003/Nov W5 (c) 2003 BLDSC all rts. reserv.
File	2: INSPEC	1969-2003/Nov W4 (c) 2003 Institution of Electrical Engineers
File	94: JICST-EPlus	1985-2003/Nov W5 (c) 2003 Japan Science and Tech Corp(JST)
File	111: TGG Natl. Newspaper Index(SM)	1979-2003/Dec 01 (c) 2003 The Gale Group
File	233: Internet & Personal Comp. Abs.	1981-2003/Jul (c) 2003, EBSCO Pub.
File	144: Pascal	1973-2003/Nov W4 (c) 2003 INIST/CNRS
File	434: SciSearch(R) Cited Ref Sci	1974-1989/Dec (c) 1998 Inst for Sci Info
File	34: SciSearch(R) Cited Ref Sci	1990-2003/Nov W4 (c) 2003 Inst for Sci Info
File	99: Wilson Appl. Sci & Tech Abs	1983-2003/Oct (c) 2003 The HW Wilson Co.

14/5/2 (Item 2 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
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05583190 E.I. No: EIP00065209361

Title: Operational approach to the design of workflow systems

Author: Agarwal, R.; Bruno, G.; Torchiano, M.

Corporate Source: Infosys Technologies Ltd, Bhubaneswar, India

Source: Information and Software Technology v 42 n 8 2000. p 547-555

Publication Year: 2000

CODEN: ISOTE7 ISSN: 0950-5849

Language: English

Document Type: JA; (Journal Article) Treatment: A; (Applications); T; (Theoretical)

Journal Announcement: 0007W5

Abstract: We construct models as an aid to our thought process. A particular class of models, operational models, can be used for simulation and prototyping. The OPJ modeling language is suitable for building operational models of complex software systems. The notion of operational parameterized building block is the key point of the approach, which focuses on two major phases: domain modeling and system modeling. Domain modeling consists in providing the classes of the building blocks **grouped** into **different** schemata. **System** modeling consists in building an actual model using the building blocks taken from the above-mentioned schemata; such building blocks are connected to each other according to the rules expressed in the schemata and are given actual parameters. As an example, a **workflow management system** supporting business process managing travel authorizations is presented. The workflow system is modeled and then used to synthesize a distributed prototype. (Author abstract) 16 Refs.

Descriptors: *Software engineering; Computer simulation; Mathematical models; Data structures

Identifiers: **Workflow management systems** ; Domain modeling

Classification Codes:

723.1 (Computer Programming); 723.5 (Computer Applications); 723.2 (Data Processing)

723 (Computer Software); 921 (Applied Mathematics)

72 (COMPUTERS & DATA PROCESSING); 92 (ENGINEERING MATHEMATICS)

14/5/6 (Item 6 from file: 8)
DIALOG(R)File 8:EI Compendex(R)
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04082702 E.I. No: EIP95022584393

Title: Multi-project support system based on multiplicity of task
Author: Tsukada, Koji; Okada, Ken-ichi; Matsushita, Yutaka
Corporate Source: Keio Univ, Yokohama, Jpn
Conference Title: Proceedings of the 18th Annual International Computer Software & Applications Conference (COMPSAC 94)
Conference Location: Taipei, Taiwan **Conference Date:** 19941109-19941111
Sponsor: IEEE
E.I. Conference No.: 42509
Source: Proceedings - IEEE Computer Society's International Computer Software & Applications Conference 1994. IEEE, Los Alamitos, CA, USA, 94CH35721. p 358-363
Publication Year: 1994
CODEN: PSICD2 **ISSN:** 0730-6512
Language: English
Document Type: CA; (Conference Article) **Treatment:** M; (Management Aspects)

Journal Announcement: 9504W4

Abstract: In an office working environment it is very unusual that a worker is engaged in a single task until the task is completed. Generally multitasking is the norm, so workers will belong to **several** project **groups** and work on one of the projects and then, before completing that, switch to another. Focusing on how to manage resources effectively and how to support performing tasks in the environment in which workers belong to multiple projects, this paper examines the provision of appropriate mechanisms to support a collaborative work in the environment. We suggest a method for managing resources which uses a 3-level structure which consists of sharing-level, working-level and personal-level and describe implementation of the Multi-project Support System which is capable of supporting interrelations among workers, resources and projects. (Author abstract) 10 Refs.

Descriptors: **Software** engineering; Multiprogramming; Personnel; **Project management**; User **interfaces**; Computer **software**
Identifiers: Multi project support **system**; **Task multiplicity**; Office working environment; Groupware; Resource management

Classification Codes:

723.5 (Computer Applications); 723.1 (Computer Programming); 912.4 (Personnel); 912.2 (Management); 722.2 (Computer Peripheral Equipment)
723 (Computer Software); 912 (Industrial Engineering & Management); 722 (Computer Hardware)
72 (COMPUTERS & DATA PROCESSING); 91 (ENGINEERING MANAGEMENT)

14/5/7 (Item 7 from file: 8)
DIALOG(R)File 8: Ei Compendex(R)
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04019204 E.I. No: EIP94122494450

Title: Cooperative support system based on multiplicity of task

Author: Tsukada, Koji; Okada, Ken-ichi; Matsushita, Yutaka

Corporate Source: Keio Univ, Yokohama, Jpn

Conference Title: Proceedings of the 13th IFIP World Computer Congress.

Part 2 (of 3)

Conference Location: Hamburg, Ger Conference Date: 19940828-19940902

E.I. Conference No.: 21456

Source: IFIP Transactions A: Computer Science and Technology n A-52 1994.
p 69-74

Publication Year: 1994

CODEN: ITATEC ISSN: 0926-5473

Language: English

Document Type: MC; (Monograph Chapter) Treatment: G; (General Review)

Journal Announcement: 9502W3

Abstract: In an office working environment it is very unusual that a worker is engaged in a single task until the task is completed. Generally multitasking is the norm, so workers will belong to **several** project **groups** and work on one of the projects and then, before completing that, switch to another. This paper, focusing on how to manage resources effectively and how to support performing tasks in the environment in which workers belong to multiple projects, examines the provision of appropriate mechanisms to support a collaborative work in the environment. Based upon a examination we suggest a manage method using a 3-level structure which consists of personal-level, working-level and sharing-level as the method for a resource management and describe implementation of the Multi-project Support System which is capable of supporting interrelations among workers, resources and projects. (Author abstract) 9 Refs.

Descriptors: Office automation; Decision support **systems** ; **Interfaces** (computer); **Project management** ; Data communication **systems** ; Real time systems; Multiprogramming

Identifiers: Information **interfaces** ; People management; Cooperative support **system** ; **Task multiplicity**

Classification Codes:

723.5 (Computer Applications); 723.2 (Data Processing); 723.1 (Computer Programming); 912.2 (Management); 722.4 (Digital Computers & Systems)

723 (Computer Software); 912 (Industrial Engineering & Management); 722 (Computer Hardware)

72 (COMPUTERS & DATA PROCESSING); 91 (ENGINEERING MANAGEMENT)

14/5/10 (Item 10 from file: 8)
DIALOG(R)File 8:EI Compendex(R)
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01172108 E.I. Monthly No: EI8211099657 E.I. Yearly No: EI82066044

Title: Project Engineering in Automation of a Natural Gas Transportation and Production System.

Title: ENGINEERING IN AUTOMATISIERUNGSPROJEKTEN.

Author: Krause, J.; Walter, F.

Corporate Source: Brigitta und Elwerath Betriebsfuehrungen, Hannover, Ger

Source: Erdoel-Erdgas-Zeitschrift v 98 n 6 Jun 1982 p 189-194

Publication Year: 1982

CODEN: EEZSAF ISSN: 0367-0333

Language: GERMAN

Journal Announcement: 8211

Abstract: This paper describes design and operation of a new computerised central control station for operating natural gas transport and production plant. This report gives a description of the work of the engineering team. The **different tasks** for technical solution (> > **systemengineering** < <) and for **project management** (> > **projectengineering** < <) are described. An overview of the methods and tools used by the engineering team is given. In German.

Descriptors: *NATURAL GAS--*Transportation; NATURAL GAS PIPELINES--Control; COMPUTER PROGRAMMING; ENGINEERING

Identifiers: AUTOMATION OF NATURAL GAS TRANSPORTATION; PROJECT ENGINEERING

Classification Codes:

512 (Petroleum & Related Deposits); 522 (Gas Fuels); 619 (Pipes, Tanks & Accessories); 723 (Computer Software); 731 (Automatic Control Principles); 901 (Engineering Profession)

51 (PETROLEUM ENGINEERING); 52 (FUEL TECHNOLOGY); 61 (PLANT & POWER ENGINEERING); 72 (COMPUTERS & DATA PROCESSING); 73 (CONTROL ENGINEERING); 90 (GENERAL ENGINEERING)

14/5/13 (Item 3 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
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01570010 ORDER NO: AAD97-27762

**COMPUTER-SUPPORTED COLLABORATIVE WORK AND ITS APPLICATION TO SOFTWARE
ENGINEERING IN A CASE ENVIRONMENT**

Author: BAILEY, JANET L.

Degree: PH.D.

Year: 1997

Corporate Source/Institution: UNIVERSITY OF NORTH TEXAS (0158)

Major Professor: MICHAEL VANECEK

Source: VOLUME 58/03-A OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 974. 193 PAGES

Descriptors: BUSINESS ADMINISTRATION, MANAGEMENT ; COMPUTER SCIENCE ;
INFORMATION SCIENCE

Descriptor Codes: 0454; 0984; 0723

Rapidly changing organizational and technological environments present a major challenge to computer professionals. Systems development by individual programmers is increasingly less feasible. It is necessary to make a conscious paradigm shift from developers primarily working independently to produce modular system components to cross-functional **teams** comprised of **various system** experts working jointly to produce a solution to a mutually defined user-problem set.

The complexity of the dialogue and poor communication between users, developers, and managers have been cited as major factors in the failure of information system projects. In contrast, computer-supported collaborative work (CSCW) systems enhance communication by providing process and task support in the form of group memory, anonymity, parallel communication, and collaboration tools. They further provide both task and process structure.

This study investigated, in the context of a field-based case study, possibilities for formation of a synergistic union between CSCW and CASE tools. A major dimension of today's software challenge is in gearing up for large-scale system development necessitating large teams of systems engineers. The principal goal of this research was to advance the body of knowledge regarding the nature of collaborative technological support in the software development process. Specifically, the study was designed to evaluate the potential for using a CSCW tool as an effective front-end to a CASE tool in the furtherance of SDLC goals.

The findings suggest that CSCW support had the greatest positive effect on satisfaction levels with the communication process and the task progress, as well as confidence in the quality of the results. Positive results were also seen in satisfaction levels with resulting system quality, team productivity, communication process, communication technology, CASE technology benefits, **system** development methodology, **project management** methodology, group process, and task results. A slight decline in satisfaction with the system development technology occurred. Additionally, a significant increase was seen in the volume of descriptive information available to the development team. However, despite these positive results, CSCW support was abandoned after nine months because of training and political.

14/5/21 (Item 3 from file: 2)

DIALOG(R) File 2:INSPEC

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6452544 INSPEC Abstract Number: C2000-02-0310F-012

Title: Extending the Liaison Workflow model and engine to support different signature purposes

Author(s): Leung, K.R.P.H.; Hui, L.C.K.; Tang, R.W.M.

Author Affiliation: Dept. of Comput. & Math., Hong Kong Inst. of Vocational Educ., Hong Kong

Conference Title: Proceedings Sixth Asia Pacific Software Engineering Conference (ASPEC'99) (Cat. No.PR00509) p.572-9

Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA

Publication Date: 1999 Country of Publication: USA xiv+639 pp.

ISBN: 0 7695 0509 0 Material Identity Number: XX-1999-03430

U.S. Copyright Clearance Center Code: 0 7695 0509 0/99/\$10.00

Conference Title: Proceedings Sixth Asia Pacific Software Engineering Conference (APSEC'99)

Conference Sponsor: Special Interest Group on Software Eng.; Inf. Process. Soc. Japan; JSST, SIGSS & SIGK of IEICE; IEEE Tokyo Sect. Comput. Chapter; SEA, JISA & IPSJ Shikoku Chapter

Conference Date: 7-10 Dec. 1999 Conference Location: Takamatsu, Japan

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Currently, **many** software **systems** are developed in offices geographically distributed in different locations. Furthermore, it is also common for a software system development project to contract to different software houses. These contracted software development projects, very often, are further sub-contracted to some other software houses. These software development modes can be supported and managed by good distributed workflow systems. Signatures play an important role in these software development modes. Most workflow systems, at best, can only support digital signatures. Digital signatures with public key cryptosystem are limited to authentication, integrity, confidentiality and non-repudiation. The wide variety of signature purposes such as authorization or **multiple** signatures in **group** decision making are not supported explicitly by most workflow systems. We have studied different kinds of signature in software development and workflow systems. The paper discusses the problems and solutions of incorporating these signatures in a distributed workflow engine, in particular, the Liaison Workflow Engine, to support the contemporary modes of software developments. (11 Refs)

Subfile: C

Descriptors: authorisation; cryptography; project management; software development management; software houses; **workflow management software**

Identifiers: Liaison Workflow model; sub-contracted; software houses; contracted software development projects; software development modes; distributed workflow systems; digital signatures; public key cryptosystem; authentication; integrity; confidentiality; non-repudiation; multiple signatures; group decision making; distributed workflow engine; Liaison Workflow Engine; contemporary modes; software developments

Class Codes: C0310F (Software development management); C0310B (Computer facilities); C7104 (Office automation); C6130S (Data security); C0310D (Computer installation management)

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14/5/23 (Item 5 from file: 2)
DIALOG(R) File 2:INSPEC
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5177094 INSPEC Abstract Number: C9603-0310F-020

Title: Workflow management in software engineering projects

Author(s): Oberweis, A.

Author Affiliation: Inst. fur Angewandte Inf. und Formale
Beschreibungsverfahren, Karlsruhe Univ., Germany

Conference Title: Proceedings of the 2nd International Conference on
Concurrent Engineering and Electronic Design Automation p.55-60

Editor(s): Medhat, S.

Publisher: SCS, San Diego, CA, USA

Publication Date: 1994 **Country of Publication:** USA xx+536 pp.

Material Identity Number: XX95-02713

Conference Title: Proceedings of International Conference on Concurrent
Engineering and Electronic Design Automation, 1994

Conference Date: 7-8 April 1994 **Conference Location:** Bournemouth, UK

Language: English **Document Type:** Conference Paper (PA)

Treatment: Practical (P)

Abstract: Large software engineering projects require computer support for collaborative development work. An efficient management of the flow of work items between different people or different groups of people is an important prerequisite for a successful software engineering project. Workflow management in a software engineering project must include planning and modelling of development activities, resource allocation, monitoring and control of activities, and support of collaborative work. (20 Refs)

Subfile: C

Descriptors: groupware; project management; resource allocation; software development management; software tools

Identifiers: workflow management; software engineering projects; computer support; collaborative development work; work item flow management; development activities; resource allocation; collaborative work

Class Codes: C0310F (Software development management); C6115 (Programming support); C6150N (Distributed systems software); C6130G (Groupware)

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14/5/27 (Item 9 from file: 2)

DIALOG(R) File 2:INSPEC

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04127498 INSPEC Abstract Number: C9205-7100-027

Title: User interface design principles for team support systems

Author(s): Hamalainen, M.; Holsapple, C.W.; Yongmoo Suh; Whinston, A.B.

Author Affiliation: Texas Univ., Austin, TX, USA

Conference Title: Proceedings of the Twenty-Fourth Annual Hawaii International Conference on System Sciences (Cat. No.91TH0350-9) p. 461-70 vol.3

Editor(s): Milutinovic, V.; Shriver, B.D.

Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA

Publication Date: 1991 Country of Publication: USA 4 vol. (xv+717+xiii+605+xiv+827+xi+574) pp.

U.S. Copyright Clearance Center Code: 0073-1129/91/0000/0461\$01.00

Conference Sponsor: IEEE; Univ. Hawaii; ACM; Pacific Res. Inst. Inf. Syst. Manage

Conference Date: 8-11 Jan. 1991 Conference Location: Kauai, HI, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Companies are increasingly streamlining their business units with the apparent shifting towards team-based organizations, where a team is a basic structural unit having self-managing nature. Team members are responsible for managing both the **administrative** and **project tasks**. Consequently, there is a need to develop **various team support systems** that make use of computer technology to enhance the performance of teams in organizations. Because various types of interactions are required both among the members of the team and with the team support system (TSS), the user **interface** is one of the most critical factors influencing acceptance and successful use of TSSs. The authors identify major issues that need to be addressed in the design of TSS user **interfaces** and propose design principles that help in satisfying the requirements in practice. They are derived from the consideration of user **interface** design issues for interactive single user systems plus characteristics and development criteria for TSSs. The authors are emphasizing, in particular, the notions of user-tailorability and extendibility in the context of developing team support systems. (28 Refs)

Subfile: C

Descriptors: groupware; interactive systems; user **interfaces**

Identifiers: CSCW; business units; team-based organizations; basic structural unit; self-managing nature; project tasks; team support systems; computer technology; TSS user **interfaces**; design principles; user **interface** design issues; interactive single user systems; development criteria; user-tailorability; extendibility

Class Codes: C7100 (Business and administration); C6180 (User interfaces)

14/5/29 (Item 11 from file: 2)

DIALOG(R) File 2:INSPEC

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02429287 INSPEC Abstract Number: A85041883, B85027197

Title: Work planning and maintenance management at the Point Lepreau Nuclear Generating Station

Author(s): McKenzie, A.R.; MacLeod, J.

Author Affiliation: New Brunswick Electr. Power Comm., Point Lepreau, NB, Canada

Conference Title: Nuclear Power Plant Outage Experience. Proceedings of an International Symposium p.113-32

Publisher: IAEA, Vienna, Austria

Publication Date: 1984 Country of Publication: Austria 385 pp.

Conference Date: 18-21 June 1984 Conference Location: Karlsruhe, West Germany

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: The Point Lepreau Nuclear Generating Station is a 680 MW(e) CANDU PHWR owned and operated by the New Brunswick Electric Power Commission. The station first produced electricity in September 1982 and in its first year of commercial operation (from 1 February 1983 to 31 January 1984) achieved a capacity factor of 89.6%. Great emphasis is placed on planning at Point Lepreau and planning and maintenance management are an integral part of the overall management philosophy. From a **work management** perspective, the station staff are divided into four units; production, which carries out all operating and maintenance **work** in the **plant** ; technical, which provides the technical support to resolve system and equipment problems; quality assurance, which monitors work as it is performed and ensures that quality standards are met; **planning** , which establishes **work programmes** with **management guidelines** and co-ordinates the effort of the **various work groups** . The success of the maintenance management programme depends on the coordinated efforts of all four groups. The primary functions of the planning department are: day to day work scheduling and coordination; development of forward **plans** ; **work** performance monitoring; **administration** of the maintenance **management system** . The **work programme** and maintenance management programme at Point Lepreau are heavily dependent upon computerized control and information systems, which cover spare parts and material inventory, work orders, jumper records (temporary changes), time keeping, design change approval and **project management** . These **programs** run in a VAX minicomputer located at the plant site. (8 Refs)

Subfile: A B

Descriptors: fission reactor operation; maintenance engineering; nuclear power stations

Identifiers: maintenance management; Point Lepreau Nuclear Generating Station; CANDU PHWR; commercial operation; planning; station staff; work programmes; computerized control; information systems; time keeping; design change approval; **project management** ; VAX minicomputer

Class Codes: A2843 (Fission reactor operation); A2850J (Heavy water reactors); B8220 (Nuclear power stations and plants)

14/5/30 (Item 12 from file: 2)

DIALOG(R)File 2:INSPEC

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00122644 INSPEC Abstract Number: C70007833

Title: An instrument for management and production control: PROMIS

Journal: Automatisme vol.14, no.9 p.343-9

Publication Date: Sept. 1969 Country of Publication: France

CODEN: AUMTAL ISSN: 0005-1241

Language: French Document Type: Journal Paper (JP)

Abstract: PROMIS (**Project** -Oriented **Management** Information **System**)
is an answer to the need for better methods in a highly competitive domain.
It constitutes a systematic based for planning and the evaluation of
problems. The prime task of a leader is to coordinate and direct towards a
common goal the **work** of **various** **groups** in an organisation. There must
therefore be a master plan which gives a picture of the state of the
project at any moment. This plan must be established according to a uniform
system, and readily understood by all concerned. PROTIS has been conceived
and realised with this in view.

Subfile: C

Descriptors: management information systems

Class Codes: C7100 (Business and administration)

14/5/31 (Item 1 from file: 94)
DIALOG(R)File 94:JICST-EPlus
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03121055 JICST ACCESSION NUMBER: 97A0259048 FILE SEGMENT: JICST-E

Workflow Rescheduling in the WorkWeb System.

TARUMI HIROYUKI (1); KIDA KOJI (1); YOSHIFU KENJI (1); YAGYU HIROYUKI (2)
(1) NEC Corp.; (2) NECKokusaijohoshisutemuzu

Joho Shori Gakkai Kenkyu Hokoku, 1997, VOL.97,NO.13(DPS-80 GW-21),

PAGE.97-102, FIG.2, REF.14

JOURNAL NUMBER: Z0031BAO ISSN NO: 0919-6072

UNIVERSAL DECIMAL CLASSIFICATION: 65.012.122:519.86/.87 681.3:007.51

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

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MEDIA TYPE: Printed Publication

ABSTRACT: The WorkWeb system is a multi-agent **system** which **manages multiple workflows** in the office in order to finish as many workflows as possible, negotiating with each worker's schedule management agent, which is aimed to manage the user's schedule according to the user's preference. In the **WorkWeb system**, the **management** and control are exercised in a distributed manner, so that it is suitable for modern offices which have **many** complicated **work groups**. In this article the authors describe the flexible replanning method for workflows and the method for negotiation between workflows competing office resources. (author abst.)

DESCRIPTORS: scheduling; groupware; autonomous system; distributed processing; negotiation; reorganization; system; artificial intelligence; workflow; multiagent system

BROADER DESCRIPTORS: application program; computer program; software; treatment; action and behavior; computer application system

CLASSIFICATION CODE(S): KA03040X; JE08000Z

14/5/34 (Item 1 from file: 434)
DIALOG(R)File 434:SciSearch(R) Cited Ref Sci
(c) 1998 Inst for Sci Info. All rts. reserv.

08531078 Genuine Article#: L5472 Number of References: 352

**Title: CO-OP - A GROUP DECISION SUPPORT SYSTEM FOR COOPERATIVE MULTIPLE
CRITERIA GROUP DECISION-MAKING**

Author(s): GOOS G; HARTMANIS J

Corporate Source: UNIV FRIBOURG, INST AUTOMAT & OPERAT
RES/CH-1700FRIBOURG//SWITZERLAND/; NAVAL POSTGRAD SCH, DEPT ADM
SCI/MONTEREY//CA/93943

Journal: LECTURE NOTES IN COMPUTER SCIENCE, 1987, V290, P1&

Language: ENGLISH Document Type: ARTICLE

Geographic Location: SWITZERLAND; USA

Subfile: SciSearch

Research Fronts: 86-0052 010 (ORGANIZATIONAL ACCOUNTING; STRATEGIC
CHOICE; STRUCTURAL DESIGN; VOLUNTARY ORGANIZATIONS)

86-0672 004 (DECISION SUPPORT SYSTEMS; COMPUTERIZED INFORMATION-SYSTEMS
SUPPORTING MULTICRITERIA DECISION-MAKING; EVALUATING MIS DESIGN
PRINCIPLES)

86-2211 003 (FUZZY SET APPLICATIONS; **MULTIPLE OBJECTIVE**
PROGRAMMING; EXPERT SYSTEMS; MULTIOBJECTIVE NONLINEAR-PROGRAMMING USING
AUGMENTED MINIMAX PROBLEMS)

86-8006 003 (NEGOTIATION STYLES; BARGAINING IN ORGANIZATIONS; STRATEGIC
CHOICE IN MEDIATION; CONFLICT SETTING)

86-2769 002 (PREVENTIVE DENTAL BEHAVIOR; USING ELECTRONIC MAIL;
COMPUTER-MEDIATED COMMUNICATION)

86-6968 002 (NASH BARGAINING SOLUTION; GROUP DECISION SUPPORT SYSTEM;
SHARING REGIONAL COOPERATIVE GAINS)

86-7545 002 (COOPERATIVE GAMES; STRATEGIC STABILITY OF EQUILIBRIA;
GENERAL CHOICE THEORY; FUZZY UTILITIES)

86-0163 001 (ORGANIZATIONAL DESIGN; NUCLEAR POLICY; MANAGEMENT
DECISION-MAKING)

86-0209 001 (SOCIAL DECISION-MAKING; DISTRIBUTIVE JUSTICE; COMMITMENT
IN ADULT ROMANTIC INVOLVEMENTS; EXCHANGE RELATIONSHIPS)

86-0233 001 (CONSUMER CHOICE; DECISION-MAKING MODEL; FORMAL UTILITY
MAXIMIZATION; DECISION RESEARCH; RATIONAL EGOISM; BRAND PREFERENCE;
AMBIGUITY AVOIDANCE)

86-0348 001 (DATABASE DESIGN; RELATIONAL DATABASES; HUMAN COMPUTER
INTERACTION; JOIN DEPENDENCIES)

86-0632 001 (FOREIGN-POLICY DECISION-MAKING; BUREAUCRATIC POLITICS;
STRATEGIC MANAGEMENT)

86-0868 001 (COOPERATIVE LEARNING; SEQUENCE OF DIRECT INSTRUCTIONAL
ACTIVITIES; EXPLICIT TEACHING; SCHOOL IMPROVEMENT; INDIVIDUALISTIC GOAL
STRUCTURES)

86-1056 001 (SOFTWARE ENGINEERING; DATA STRUCTURED PROGRAMMING; PROOF
SYSTEM; ABSTRACT DATA-TYPES; FAIR TERMINATION; CONCURRENT SYSTEMS)

86-1187 001 (SOCIAL CHOICE; FUZZY SOCIAL-WELFARE FUNCTIONS; PRIVATE
PARETO PRINCIPLE)

86-2606 001 (RECREATIONAL BENEFITS; TRAVEL COST MODEL; ENVIRONMENTAL
VALUES)

86-2657 001 (SALES MANAGEMENT; LEADERSHIP IN ORGANIZATIONS;
ORGANIZATIONAL DETERMINANTS; PEOPLE PRODUCTIVE)

86-5783 001 (CAPITAL FLOWS; POWER-STRUCTURE OF AMERICAN-BUSINESS;
SOCIAL **CONSTRUCTION OF MANAGEMENT CONTROL- SYSTEMS**)

86-7507 001 (GROUP DECISION-MAKING; MANAGERIAL PERFORMANCE; EMPLOYEE
PARTICIPATION IN A QUALITY CIRCLE PROGRAM)

86-7613 001 (CONSUMER DEMAND; PRODUCT SCREENING DECISIONS;
TECHNOLOGICAL PUBLIC CHOICE)

86-7796 001 (STRATEGIC MANAGEMENT PROCESS; MANAGERIAL ROLES; EXECUTIVE
INFORMATION-SYSTEMS; ORGANIZATIONAL DESIGN; PRINCIPALS IN ACTION)

86-8250 001 (ANALYTIC HIERARCHY PROCESS; MULTICRITERIA DECISION-MAKING;
EVALUATING CONSISTENCY; FUZZY HIERARCHICAL ANALYSIS; DATA ACQUISITION)

86-8347 001 (POLICY MAKERS EVALUATE FEDERAL INFORMATION-SYSTEMS; UNION
TACTICS; ASSET-ACQUISITION DECISIONS)

86-8465 001 (HUMAN COMPUTER INTERACTION; BEHAVIORAL PRINCIPLES WITHIN
FAMILY SYSTEMS THERAPY; CYBERNETICS OF EDUCATION)

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Set	Items	Description
S1	1995239	(PROJECT? OR JOB OR TASK? ? OR CONSTRUCTION? OR WORK?) (2N-) (MANAG? OR ADMINIST? OR PLAN? OR FORECAST?)
S2	1422496	S1 AND (SOFTWARE? OR SYSTEM? OR COMPUTERI? OR APPLICATION? OR PROGRAM?)
S3	485086	(MULTIPL? OR SEVERAL? OR VARIOUS OR VARIET? OR MANY OR DIF- FERENT? OR PLURAL? OR DISTINCT) (2N) (TEAM? OR GROUP? OR WORKGR- OUP? OR SQUAD? OR CLUSTER? OR CREW?)
S4	1145910	(MULTIPL? OR SEVERAL? OR VARIOUS OR VARIET? OR MANY OR DIF- FERENT? OR PLURAL? OR DISTINCT) (2N) (TASK? ? OR OBJECTIVE? OR - SYSTEM? OR JOB? ? OR WORK OR SKILL?)
S5	5563157	INTERFACE? OR GUI? OR THREAD?
S6	2435	S2(10N)S3(10N)S4
S7	93	S1(S)S3(S)S4(S)S5
S8	58	S5(10N)S6
S9	1657	S2(3N)S3(3N)S4
S10	32	S1(10N)S3(10N)S4(10N)S5
S11	84	S8 OR S10
S12	49	RD (unique items)
S13	45	S12 NOT PY>2000
S14	44	S13 NOT PD=20000120:20020120
S15	44	S14 NOT PD=20020120:20031220
File	275:	Gale Group Computer DB(TM) 1983-2003/Dec 01 (c) 2003 The Gale Group
File	47:	Gale Group Magazine DB(TM) 1959-2003/Dec 01 (c) 2003 The Gale group
File	75:	TGG Management Contents(R) 86-2003/Nov W3 (c) 2003 The Gale Group
File	636:	Gale Group Newsletter DB(TM) 1987-2003/Dec 01 (c) 2003 The Gale Group
File	16:	Gale Group PROMT(R) 1990-2003/Dec 01 (c) 2003 The Gale Group
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File	484:	Periodical Abs Plustext 1986-2003/Nov W4 (c) 2003 ProQuest
File	613:	PR Newswire 1999-2003/Dec 02 (c) 2003 PR Newswire Association Inc
File	813:	PR Newswire 1987-1999/Apr 30 (c) 1999 PR Newswire Association Inc
File	141:	Readers Guide 1983-2003/Oct (c) 2003 The HW Wilson Co
File	696:	DIALOG Telecom. Newsletters 1995-2003/Dec 01 (c) 2003 The Dialog Corp.
File	553:	Wilson Bus. Abs. FullText 1982-2003/Oct (c) 2003 The HW Wilson Co
File	621:	Gale Group New Prod. Annou. (R) 1985-2003/Dec 01 (c) 2003 The Gale Group
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File	15:	ABI/Inform(R) 1971-2003/Dec 02 (c) 2003 ProQuest Info&Learning
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File	13:	BAMP 2003/Nov W4 (c) 2003 Resp. DB Svcs.
File	810:	Business Wire 1986-1999/Feb 28 (c) 1999 Business Wire
File	610:	Business Wire 1999-2003/Dec 02 (c) 2003 Business Wire.
File	647:	CMP Computer Fulltext 1988-2003/Nov W5 (c) 2003 CMP Media, LLC

File 98:General Sci Abs/Full-Text 1984-2003/Oct
(c) 2003 The HW Wilson Co.

File 148:Gale Group Trade & Industry DB 1976-2003/Dec 01
(c)2003 The Gale Group

15/3,K/5 (Item 5 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

01318401 SUPPLIER NUMBER: 07975882 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Entity-life modeling and structured analysis in real-time software design -
a comparison.**

Sanden, Bo

Communications of the ACM, v32, n12, p1458(9)

Dec, 1989

ISSN: 0001-0782 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 5922 LINE COUNT: 00478

... to concurrency in the problem domain, and, for that reason, the approach fails to identify **tasks** based on **multiple** identical entities which operate concurrently and independently in the problem environment. This is because **multiple** identical **tasks** (such as one task per furnace) are not **different groups** of transforms, but multiple execution **threads** through one set of transforms. Thus, the furnace tasks are not identified, but a scheduler **task administrates** all the concurrent reading series. Since tasks are vehicles for handling concurrency, it is a...

15/3,K/9 (Item 1 from file: 75)
DIALOG(R)File 75:TGG Management Contents(R)
(c) 2003 The Gale Group. All rts. reserv.

00220329 SUPPLIER NUMBER: 54141374 (USE FORMAT 7 FOR FULL TEXT)
**Implementing ERP. (includes related article on auditor role in ERP
management) (enterprise resource planning systems)**
Glover, Steven M.; Prawitt, Douglas F.; Romney, Marshall B.
Internal Auditor, 56, 1, 40(6)
Feb, 1999
ISSN: 0020-5745 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 4318 LINE COUNT: 00362

... who have been through the process.
Because ERP packages are enormously complex, a successful
implementation **team** possesses **various skills**. Some of these essential
skills involve experience and knowledge in **project management**; change
integration as it relates to training and education, performance measures,
and communications; technology or application understanding;
systems-development skills, particularly with **interfaces** and conversions
involving legacy systems; and resource planning infrastructure.
It is unlikely that any single...

15/3,K/10 (Item 2 from file: 75)
DIALOG(R)File 75:TGG Management Contents(R)
(c) 2003 The Gale Group. All rts. reserv.

00191869 SUPPLIER NUMBER: 18608369

Software-based innovation.

Quinn, James Brian; Baruch, Jordan J.; Zien, Karen Anne
Sloan Management Review, v37, n4, p11(14)
Summer, 1996

ISSN: 0019-848X LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 10647 LINE COUNT: 00936

... tests that were previously necessary and made needed "first off"
tests of physical components and **systems** much more reliable. At all
phases, **software systems** allowed **many groups** - within and outside
the company - to operate in parallel without losing **interface**
coordination. The **systems** 1.8 trillion bytes of production data
coordinated all downstream production and sourcing decisions. All...

01074430 97-23824

Computer support for group work: Perceptions of the usefulness of support scenarios and end-user tools

Satzinger, John W; Olfman, Lorne

Journal of Management Information Systems: JMIS v11n4 PP: 115-148 Spring 1995

ISSN: 0742-1222 JRNL CODE: JMI

WORD COUNT: 10616

...TEXT: and decision structuring. Although this type of support is clearly perceived to be useful for **many work groups** represented in this sample and found to be so in studies of actual use, support for **group work** has **many** more dimensions. Although some group support studies have included traditional tools in meeting rooms [27...

... one research project has integrated group and traditional tools into a face-to-face meeting **system** [34], more work should be done to understand the impact of a variety of technologies...

... be focused on group support between meetings now that group tools commonly used in information **systems** research have been extended for use between meetings [41].

Implications for Developers

Some researchers and...

... on these findings, we believe developers should integrate traditional tools into face-to-face meeting **systems** to provide more kinds of functional support for groups. The meeting room environment should also... behavioral and technical issues that arise during the design of the interface of multiuser group **applications**, and ease of use could have a big impact on the success of group tools...

...testing of group tools is certainly called for.

Implications for Implementers

When implementing group support **applications**, it would be reasonable to expect some initial resistance b all group tools and to...

... with positive attitudes toward computers and group work, who currently use computers, who are in **many work groups**, and who spend a lot of time in formal meetings. Specific work groups targeted should..

15/3,K/36 (Item 1 from file: 13)
DIALOG(R)File 13:BAMP
(c) 2003 Resp. DB Svcs. All rts. reserv.

1130754 Supplier Number: 02071231 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Effective Integrated Outage and Crew Management Streamlines Operations
(Utilities are using a number of technology tools to improve the quality of customer relationships and service delivery; an analysis of 2 key areas is necessary before integration of these tools)
Article Author(s): Engelken, Larry
Utility Automation, v 4, n 6, p 20
August 1999
DOCUMENT TYPE: Journal ISSN: 1085-2328 (United States)
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 272

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...support planning for value-based maintenance.

In many instances, this data is held in a **variety** of **systems** and must be maintained and updated by **various groups**. It's particularly important to understand the entire work process in order to identify functional overlaps within the **different** departments and **systems** and replace those overlaps with **system interface** points.
...

Set	Items	Description
S1	5087	(PROJECT? OR JOB OR TASK? ? OR CONSTRUCTION? OR WORK?) (2N-) (MANAG? OR ADMINIST? OR PLAN? OR FORECAST?)
S2	4840	S1 AND (SOFTWARE? OR SYSTEM? OR COMPUTERI? OR APPLICATION? OR PROGRAM?)
S3	735	(MULTIPL? OR SEVERAL? OR VARIOUS OR VARIET? OR MANY OR DIF- FERENT? OR PLURAL? OR DISTINCT) (2N) (TEAM? OR GROUP? OR WORKGR- OUP? OR SQUAD? OR CLUSTER? OR CREW?)
S4	4462	(MULTIPL? OR SEVERAL? OR VARIOUS OR VARIET? OR MANY OR DIF- FERENT? OR PLURAL? OR DISTINCT) (2N) (TASK? ? OR OBJECTIVE? OR - SYSTEM? OR JOB? ? OR WORK OR SKILL?)
S5	26896	INTERFACE? OR GUI? OR THREAD?
S6	15	S2 AND S3 AND S4
S7	4	S1 AND S3 AND S4 AND S5
S8	15	S6 OR S7
S9	13	S8 NOT PY>2000
S10	11	S9 NOT PD>20000120

File 256:SoftBase:Reviews,Companies&Prods. 82-2003/Oct
(c)2003 Info.Sources Inc

*Product
Software
Files*

10/3,K/1

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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01774669 DOCUMENT TYPE: Product

PRODUCT NAME: PVCS Dimensions 7.2 (774669)

Merant Inc (683604)
3445 NW 211th Terr
Hillsboro, OR 97124 United States
TELEPHONE: (503) 645-1150

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20030515

PVCS Dimensions 7.2, offered by Merant's PVCS Division, is an enterprise **software** configuration management **system** that offers process control and versioning features. It includes baseline, issue, release, build, and **workflow management** tools. PVCS Dimensions 7.2 can enforce processes, work roles, and digital assets. It supports **multiple workgroups**, and it streamlines communication between teams. Employing the **system**, users can define, analyze, and tune asset change approval processes. It also allows users with **different technical skills** to submit change requests. The **system** stores digital asset information in a single repository. PVCS Dimensions provides users with asset status, relationship, deployment, and other information. The **system** also can be used to track changes made to assets.

DESCRIPTORS: Business Reengineering; Configuration Management; Groupware;
IT Management; LANs; Network Administration; Network **Software** ;
Software Version Control; WANS

10/3,K/2

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
(c)2003 Info.Sources Inc. All rts. reserv.

01740738 DOCUMENT TYPE: Product

PRODUCT NAME: ActiveProject (740738)

Framework Technologies Corp (642525)
32 3rd Ave
Burlington, MA 01803 United States
TELEPHONE: (781) 270-6554

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20030518

...drop commands make it easy for team members to contribute documents to the site. The **system** is easy to learn and use. It reduces training costs by providing information to new...

...consolidating project information in one place, so users do not need to be trained on **several systems**. Other features of ActiveProject include customizable sites; rich, graphical navigation; a Preview feature which matches the user to information; access control; automatic archiving of information; customizable change notifications; **threaded** discussions; live conferencing; and information request logs. ActiveProject is used by **teams** in **many** areas of business, including facilities management, product development, and building construction. CAD teams can tap...

DESCRIPTORS: Collaborative Commerce; Conferencing; Extranets; Groupware;
Intranets; **Project Management**

10/3,K/3

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
(c)2003 Info.Sources Inc. All rts. reserv.

01120774 DOCUMENT TYPE: Product

PRODUCT NAME: Teamcenter Project (120774)

EDS PLM Solutions (254410)
2000 Eastman Dr
Milford, OH 45150-2789 United States
TELEPHONE: (513) 576-2400

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 030206

...and development workspaces. Teamcenter Project also provides users with SSL security and management features. The **system** allows **multiple team** members to view the same Web screen and to edit its content. Tapping Teamcenter Project, executives can identify potential resource bottlenecks; **managers** can monitor **tasks** and review schedules; and team members can conduct real-time discussions and share documents. Schedules can be extended with Gantt charts. The **system** allows users to define task hierarchies, establish project baselines, and identify task constraints. Teamcenter **Project** resource **management** features let users associate bill rates with resources or skill sets. The **system** processes variable and fixed labor cost data. It also provides timecard reporting. Employing the product...

DESCRIPTORS: CAD CAM; Collaborative Commerce; Groupware; Intranets;
Product Data **Management** ; **Project Management**

10/3,K/4

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
(c)2003 Info.Sources Inc. All rts. reserv.

01071447 DOCUMENT TYPE: Product

PRODUCT NAME: SkillSense (071447)

PIPKINS Inc (606723)
1031 Executive Pkwy #110
St Louis, MO 63141 United States
TELEPHONE: (314) 469-6106

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20020228

SkillSense (TM), works with Maxima Advantage (R), PIPKINS' premier **workforce management system**. SkillSense (TM) streamlines skill-based routing by forecasting call volumes and handling times according to queue. Each queue is equivalent to a stream of work or skilled work **application**. SkillSense uses the convention of 'Serving Teams' to provide a grouping of agents who can possess a common skill set. In the ACD **system**, each agent is configured with a skill set that determines the queues from which the...

...for groups of agents and assist in minimizing the labor required to set up a **workforce manager** . SkillSense then calculates requirements for each serving team and schedules to these serving team requirements. SkillSense can schedule staff to **multiple teams** during the day, with each queue served representing a skill set. Queues can also represent...

...R)M, an industry recognized advanced forecasting algorithm, is the core of the SkillSense Forecasting **system** . It directly calculates requirements in a **multiple - skilled** environment to avoid repetitive analytical simulations. One forecast set of requirements for all interwoven skilled...

10/3,K/5

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
(c)2003 Info.Sources Inc. All rts. reserv.

01058301 DOCUMENT TYPE: Product

PRODUCT NAME: I-DEAS Enterprise (058301)

EDS PLM Solutions (254410)
2000 Eastman Dr
Milford, OH 45150-2789 United States
TELEPHONE: (513) 576-2400

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20020330

...I-DEAS (R) Enterprise (TM) is an enterprisewide mechanical design automation (MDA) design data management **system** . Employing I-DEAS Enterprise, companies can promote design collaboration that supports multidirectional product structure manipulation...

...I-DEAS and Metaphase (R) technologies, providing a scalable environment that can handle distributed design **teams** , **multiple** users, and large amounts of data. I-DEAS Enterprise offers a single **interface** , termed the Team Browser, to all users, streamlining **system** training and data access. The Team Browser supports simultaneous access to I-DEAS Model File data. Additionally, queries can be conducted across all enterprise **systems** . I-DEAS Enterprise incorporates existing MDA data quickly, distributing it across **multiple systems** . For security restrictions, the **system** places users within one of seven role-based data access categories: Team Leader, Team Author...

...Grantor, and Team Exporter. Companies also can add new categories. Team members can be assigned **multiple** roles. **Management tasks** are handled with I-DEAS Enterprise's Team Browser.

10/3,K/6

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
(c)2003 Info.Sources Inc. All rts. reserv.

01045772 DOCUMENT TYPE: Product

PRODUCT NAME: Worksolv (045772)

Thomson Elite (542873)
5100 W Goldleaf Cir #100
Los Angeles, CA 90056-1271 United States
TELEPHONE: (323) 642-5200

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20030713

Elite Information **Systems** ' Worksolv allows **multiple workgroups** to coordinate activities. The Web-based **system** also integrates with the TimeSolv **program** , providing users with time and billing options. Worksolv provides remote teams with access to current project information. Updates entered into the **system** are applied across **multiple** records. The **system** supports the assignment of tasks to employees, subcontractors, clients, and other team members. Worksolv's security features prevent unauthorized access to project information. The hosted **system** is accessed with standard Web browsers. It does not require the installation of client **software** .

DESCRIPTORS: Groupware; Intranets; Professional Time & Billing; **Project Management** ; Remote Network Access; Scheduling

10/3,K/7

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00112573 DOCUMENT TYPE: Review

PRODUCT NAMES: **ActionWorks Express (725188)**

TITLE: Let's Put Project Management Out Of Its Misery
AUTHOR: Keen, Peter G W
SOURCE: Computerworld, v32 n49 p64(1) Dec 7, 1998
ISSN: 0010-4841
HOME PAGE: http://www.computerworld.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20020830

TITLE: Let's Put Project Management Out Of Its Misery

Action Technologies' ActionWorks Express, a 'mental and process framework for viewing **project management** as the coordination of a complex set of commitments that include **many** types of teams, priorities, and **varieties** of **work** ,' provides **management** with important insight for successful **project management** . It shows how successful **software** development and **system** integration require 'commitment **management** , not **project management** .' Companies should redesign their IT processes around technical and organization commitments and their interrelationships. Most...

...closely defined according to relationships, communication, and interaction. Issues that are often not supported by **project management** tools include tracking of negotiations, mutual agreements, renegotiations, timing, and interdependencies. IT groups concur that businesses have to re-engineer **systems** to revolutionize processes that most impact customer relationships. IT has to change processes that most...

DESCRIPTORS: Business Reengineering; Employee Supervision; IT **Management** ; **Project Management** ; Scheduling

10/3,K/8

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00105975 DOCUMENT TYPE: Review

PRODUCT NAMES: **OnePoint EA 4.5 (735833)**

TITLE: Enterprise Administrator lets you delegate NT chores

AUTHOR: Duplissey, Keith

SOURCE: InfoWorld, v20 n8 p58C(2) Feb 23, 1998

ISSN: 0199-6649

HOME PAGE: <http://www.infoworld.com>

RECORD TYPE: Review

REVIEW TYPE: Review

GRADE: A

REVISION DATE: 20020630

Enterprise Administrator 4.5 from Mission Critical **Software** Incorporated is an excellent tool for Windows NT administrators who want to give some of the more repetitive daily **tasks** of **managing** the network to other IT staff without risking the security of part or all of...

...Windows NT's User Manager for Domains, Server Manager, and other tools, and offers one **interface** for all. Unlike competitors such as the Pukka Domain Administration Tool, Enterprise Administrator not only...

...split among Deputies for better fault tolerance, e.g., disabling and deleting users can be **tasks** for **different groups** of Deputies. In addition, the Marshall, or network administrator, can track all actions taken by...

DESCRIPTORS: Computer Resource Management; Configuration Management; IBM PC & Compatibles; Network Administration; Network **Software** ; **System** Monitoring; Windows NT/2000

10/3,K/9

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.

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00104913 DOCUMENT TYPE: Review

PRODUCT NAMES: AlertPage Enterprise 4.0 (615005)

TITLE: AlertPage's low-impact networking remains strong

AUTHOR: Avery, Mike

SOURCE: InfoWorld, v20 n3 p50B(1) Jan 19, 1998

ISSN: 0199-6649

HOME PAGE: <http://www.infoworld.com>

RECORD TYPE: Review

REVIEW TYPE: Review

GRADE: A

REVISION DATE: 20020630

Geneva **Software** 's AlertPage Enterprise 4.0 is an excellent choice in network monitoring solutions. The upgraded product simplifies network **management tasks** by enabling **managers** to remotely monitor their **systems**, monitor **tasks** over **different** platforms, and more. AlertPage's paging features were the best the reviewer had ever seen...

...of the paging features that especially stands out is the ability to schedule pages for **many groups** and specify which types of calls go to which members of support staff. For example, the **system** can be configured to send TCP/IP problems to the networking expert, etc. Installation of...

COMPANY NAME: Geneva **Software** (

DESCRIPTORS: IBM PC & Compatibles; LANs; Network Administration; Network Management; Network **Software** ; Paging; Remote Network Access; **System** Monitoring; Windows

10/3,K/10

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.

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00083406 DOCUMENT TYPE: Review

PRODUCT NAMES: Oracle Workgroup Server 2.0 (529397); Oracle Workgroup Manager (584436); Oracle Office 2.1 (478334); Oracle WebServer (555851)

TITLE: Oracle gets on Bandwagon

AUTHOR: Ricciuti, Mike

SOURCE: InfoWorld, v17 n41 p1(2) Oct 9, 1995

ISSN: 0199-6649

HOME PAGE: <http://www.infoworld.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20010430

...**PRODUCT NAMES:** 529397); Oracle Workgroup Manager (

Oracle Corporation prepares the release of a server **software** bundle, code-named Bandwagon. The package, slated for release before the end of the year (1995), will feature Workgroup Server 2.0, **Workgroup Manager**, Office 2.1, and the Web Server. The **applications** will be designed to operate on **multiple** platforms. The **Workgroup Manager system management software** is purported to provide distributed management compatible with any vendor's products and **many** operating **systems**. Mixed feedback indicates that the product may offer considerable advantages to larger enterprise environments. The...

DESCRIPTORS: Database Management; Database Servers; Distributed Processing ; Groupware; Internet Utilities; Network **Software** ; Oracle; Web Servers; Webmasters

10/3,K/11

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.

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00072519 DOCUMENT TYPE: Review

PRODUCT NAMES: Microsoft Project (364428); OPEN PLAN Professional for Windows (006557)

TITLE: Low-Cost Software Can Undermine PM Practices

AUTHOR: Vandersluis, Chris

SOURCE: Computing Canada, v20 n24 p31(1) Nov 23, 1994

ISSN: 0319-0161

HOME PAGE: <http://www.plesman.com/cc>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20030625

TITLE: Low-Cost Software Can Undermine PM Practices

Many PC-based **project management** products are available, but most of them do not really **manage** projects. **Project management** includes **many tasks**, including **team** creation, quality control, risk assessment, and contract negotiation. Most products available today use a critical...

...disclaimers for Project, claiming confusion on the part of users. Project Workbench is a true **project management** product, with links to its computer-aided **software** engineering (CASE) products and several **software** development methodologies. OPEN PLAN Professional for Windows has

a **Project Management** Director for definition and tracking of **project management tasks** . **Project managers** are advised to assess **project management** practices and contact the **Project Management** Institute with questions.

...COMPANY NAME: 464627); Welcom **Software** Technology Corp (WST...

DESCRIPTORS: Critical Path **Management** ; **Project Management** ;
Scheduling

Set	Items	Description
S1	295	AU=(MITCHELL T? OR MITCHELL, T?)
S2	705	AU=(TANABE A? OR TANABE, A?)
S3	0	S1 AND S2
S4	26	(S1 OR S2) AND IC=(G06F-017? OR G06F-007?)
S5	82	(S1 OR S2) AND (GROUP? ? OR TEAM? ? OR CLUSTER? OR CREW? OR WORKGROUP? OR SQUAD?)
S6	18	S5 AND (WORK? ? OR TASK? ? OR PROJECT? ? OR CONSTRUCTION?)
S7	5	S6 AND IC=(G06F? OR H04L?)
S8	29	S4 OR S7
S9	29	IDPAT (sorted in duplicate/non-duplicate order)
S10	24	IDPAT (primary/non-duplicate records only)

File 344:Chinese Patents Abs Aug 1985-2003/Apr
(c) 2003 European Patent Office

File 347:JAPIO Oct 1976-2003/Jul(Updated 031105)
(c) 2003 JPO & JAPIO

File 348:EUROPEAN PATENTS 1978-2003/Nov W03
(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20031127,UT=20031120
(c) 2003 WIPO/Univentio

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200376
(c) 2003 Thomson Derwent

10/5/5 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

014141955 **Image available**
WPI Acc No: 2001-626166/200172
XRPX Acc No: N01-466795

**Computer-based free-form text assessment method for real time evaluation
of answers, involves extracting and comparing semantic syntactic template
of standard and input free-form texts for deriving output assessment**

Patent Assignee: MITCHELL T A (MITC-I)
Inventor: MITCHELL T A
Number of Countries: 095 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200171529	A2	20010927	WO 2001GB1206	A	20010320	200172 B
AU 200144302	A	20011003	AU 200144302	A	20010320	200210
US 20030149692	A1	20030807	WO 2001GB1206	A	20010320	200358
			US 2003239059	A	20030123	

Priority Applications (No Type Date): GB 20006721 A 20000320

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 200171529	A2	E	62 G06F-017/00	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS
JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL
PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200144302	A	G06F-017/00	Based on patent WO 200171529
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US 20030149692	A1	G06F-017/30	
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Abstract (Basic): WO 200171529 A2

NOVELTY - A semantic syntactic template is extracted from a standard text and compared with the semantic syntactic tagged form of the input free-form text. An output assessment is derived based on the comparison result.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Computer-based free-form text assessment system;

(b) Computer-based free-form text assessment program

USE - For computer-based assessment of free-form text of answers made by students, for questions in examination, through Internet.

ADVANTAGE - Provides an interactive assessment tool which allows students answer the questions in sentence form and have their answers marked online in real time. Enables construction of a single mark scheme template that maps several variations in the input text.

DESCRIPTION OF DRAWING(S) - The figure explains the free-form text assessing process.

pp; 62 DwgNo 1/15

Title Terms: COMPUTER; BASED; FREE; FORM; TEXT; ASSESS; METHOD; REAL; TIME;
EVALUATE; ANSWER; EXTRACT; COMPARE; SYNTACTIC; TEMPLATE; STANDARD; INPUT;
FREE; FORM; TEXT; DERIVATIVE; OUTPUT; ASSESS

Derwent Class: T01

International Patent Class (Main): G06F-017/00 ; G06F-017/30

File Segment: EPI

10/5/6 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

011822742 **Image available**
WPI Acc No: 1998-239652/199821
XRPX Acc No: N98-189597

**English language text computer-implemented analysis method - requires
applying parser to received file and generating unified parse structure**

for identified English sentences

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: BERNTH A; MCCORD M C; **TANABE A T**

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5737617	A	19980407	US 95467709	A	19950606	199821 B

Priority Applications (No Type Date): US 95467709 A 19950606

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5737617	A		12	G06F-017/20	

Abstract (Basic): US 5737617 A

A computer-implemented method for English text analysis comprising the steps of receiving a file of a number of English sentences; identifying selected ones of the English sentences for critiquing; applying a number of parse-independent critiquing rules to the identified selected ones of the English sentences; applying a parser to the received file and generating a unified parse structure for the identified selected ones of the English sentences;

A number of predetermined parse-dependent critiquing rules is applied to each of the unified parse structures for identifying exceptions to recommended English; storing identified exceptions together with related information in an exception file; and performing an interactive session with a user utilizing the stored exception file.

USE - English language text analysis and providing user guidance for authoring texts with reduction in ambiguity in an easy-to-understand, international style.

Dwg.2/5

Title Terms: ENGLISH; LANGUAGE; TEXT; COMPUTER; IMPLEMENT; ANALYSE; METHOD; REQUIRE; APPLY; RECEIVE; FILE; GENERATE; UNIFIED; PARSE; STRUCTURE; IDENTIFY; ENGLISH; SENTENCE

Derwent Class: T01

International Patent Class (Main): **G06F-017/20**

File Segment: EPI

Set	Items	Description
S1	2576	AU=(MITCHELL T? OR MITCHELL, T?)
S2	462	AU=(TANABE A? OR TANABE, A?)
S3	161	(S1 OR S2) AND (GROUP? ? OR TEAM? ? OR CLUSTER? OR CREW? OR WORKGROUP? OR SQUAD?)
S4	24	S3 AND (WORK? ? OR TASK? ? OR PROJECT? OR CONSTRUCTION?)
S5	21	RD (unique items)
File	2:INSPEC 1969-2003/Nov W4	(c) 2003 Institution of Electrical Engineers
File	8:Ei Compendex(R) 1970-2003/Nov W4	(c) 2003 Elsevier Eng. Info. Inc.
File	35:Dissertation Abs Online 1861-2003/Oct	(c) 2003 ProQuest Info&Learning
File	65:Inside Conferences 1993-2003/Nov W5	(c) 2003 BLDSC all rts. reserv.
File	34:SciSearch(R) Cited Ref Sci 1990-2003/Nov W4	(c) 2003 Inst for Sci Info
File	434:SciSearch(R) Cited Ref Sci 1974-1989/Dec	(c) 1998 Inst for Sci Info
File	674:Computer News Fulltext 1989-2003/Nov W4	(c) 2003 IDG Communications
File	647:CMP Computer Fulltext 1988-2003/Nov W5	(c) 2003 CMP Media, LLC
File	111:TGG Natl.Newspaper Index(SM) 1979-2003/Nov 24	(c) 2003 The Gale Group
File	696:DIALOG Telecom. Newsletters 1995-2003/Nov 29	(c) 2003 The Dialog Corp.

5/5/1 (Item 1 from file: 2)
DIALOG(R) File 2:INSPEC
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

4819645 INSPEC Abstract Number: C9412-7250-031

Title: Experience with a learning personal assistant

Author(s): **Mitchell, T.** ; Caruana, R.; Freitag, D.; McDermott, J.; Zabowski, D.

Author Affiliation: Sch. of Comput. Sci., Carnegie Mellon Univ., Pittsburgh, PA, USA

Journal: Communications of the ACM vol.37, no.7 p.80-91

Publication Date: July 1994 Country of Publication: USA

CODEN: CACMA2 ISSN: 0001-0782

U.S. Copyright Clearance Center Code: 0001-0782/94/0700\$3.50

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: CAP (Calendar Apprentice) provides a demonstration that machine learning methods can acquire many of the calendar-scheduling preferences of individual users, and can also estimate the reliability of various learned rules. While these results are encouraging, we are just beginning to collect sufficient data to be able to understand the capabilities and difficulties in developing selfcustomizing systems. It remains to be demonstrated that knowledge learned by systems like CAP can be used to significantly reduce their users' workload. Our research plan is to extend CAP to negotiate selected meetings on its users' behalf, and to explore additional **tasks** including learning users' news **group** reading preferences, and learning strategies for email-based **work** flow assistance. Given the potential impact of a success in this area, we anticipate a flurry of experiments in machine learning approaches to self-customized assistants over the coming years. (21 Refs)

Subfile: C

Descriptors: information retrieval systems; knowledge based systems; learning (artificial intelligence); personal computing; time management

Identifiers: learning personal assistant; Calendar Apprentice; machine learning methods; calendar-scheduling preferences; selfcustomising systems; news **group** reading preferences; email-based **work** flow assistance; machine learning approach; self-customized assistants

Class Codes: C7250 (Information storage and retrieval); C6170 (Expert systems); C7830 (Home computing)